

FIG. 1

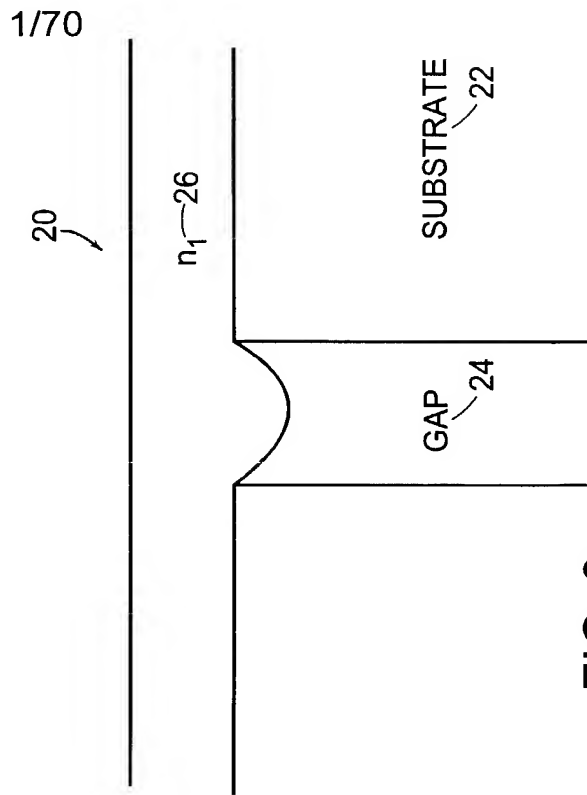


FIG. 2

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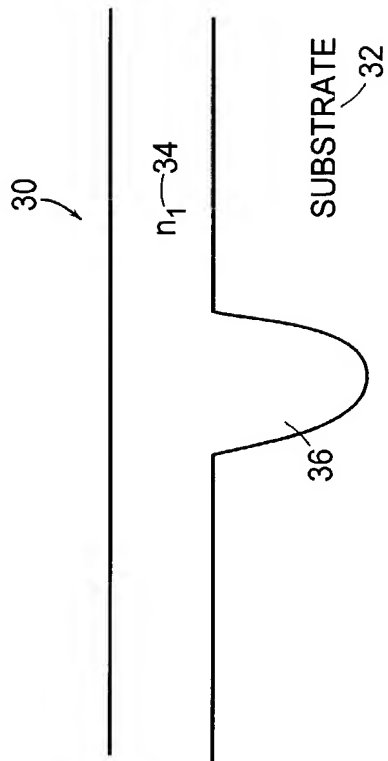


FIG. 3

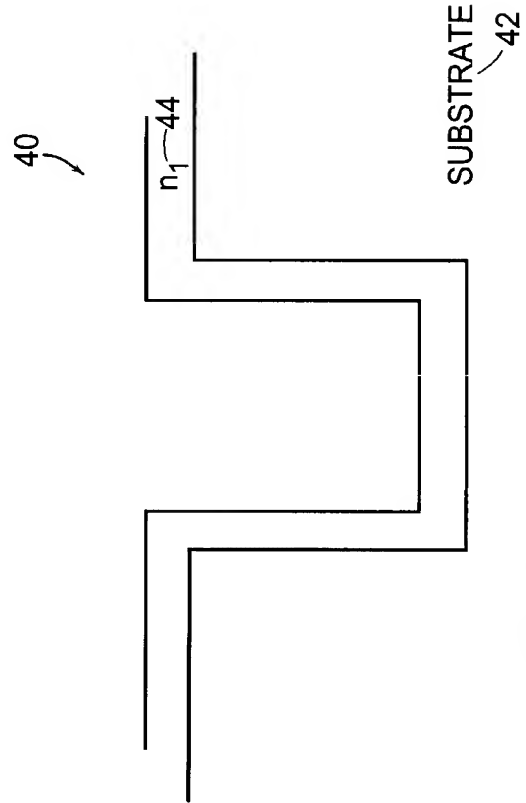


FIG. 4

FIG. 5A

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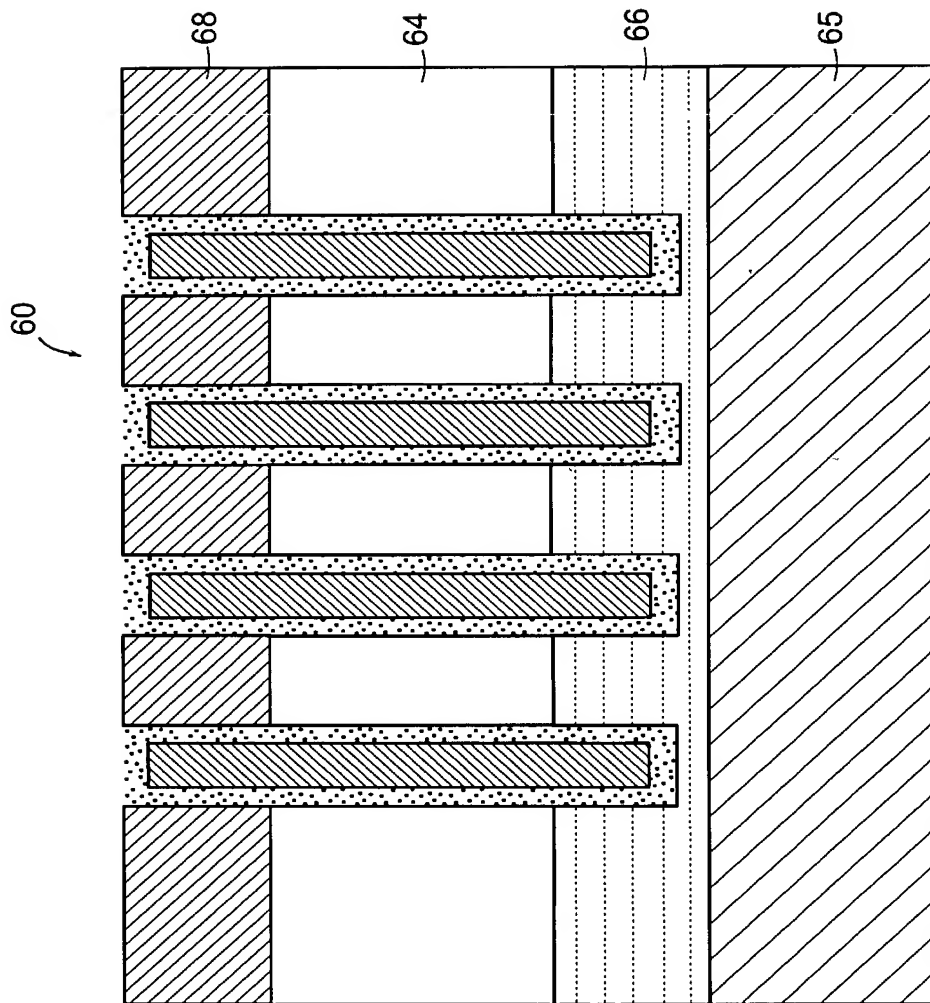


FIG. 5B

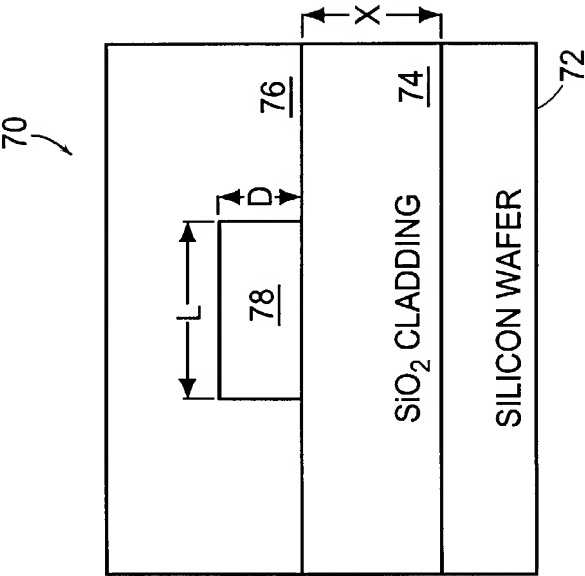


FIG. 5C

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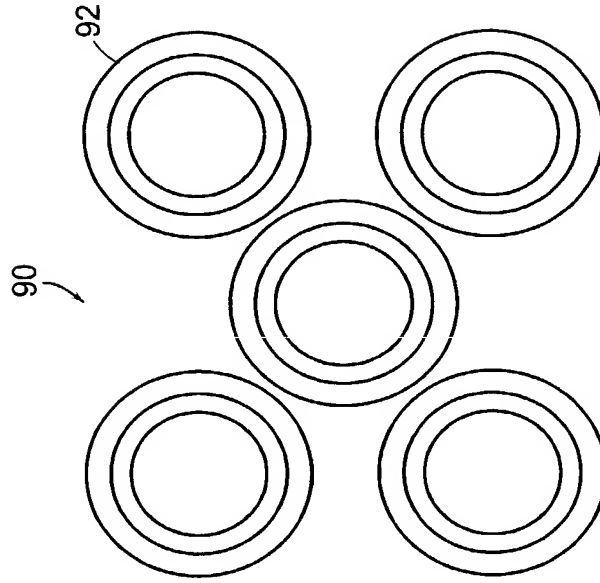


FIG. 7

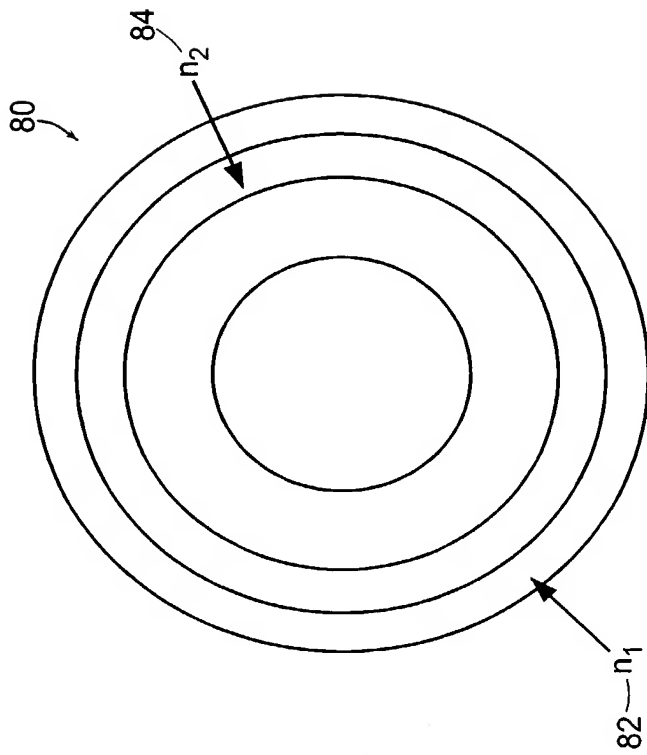


FIG. 6

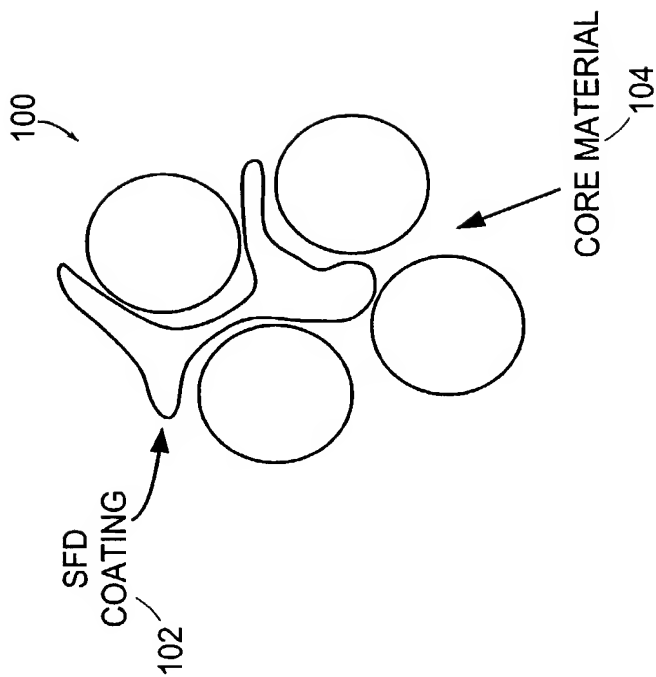


FIG. 8

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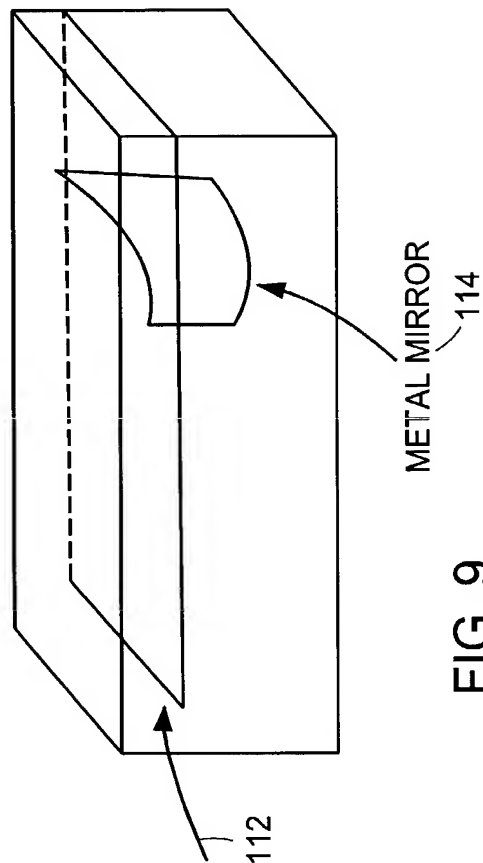


FIG. 9

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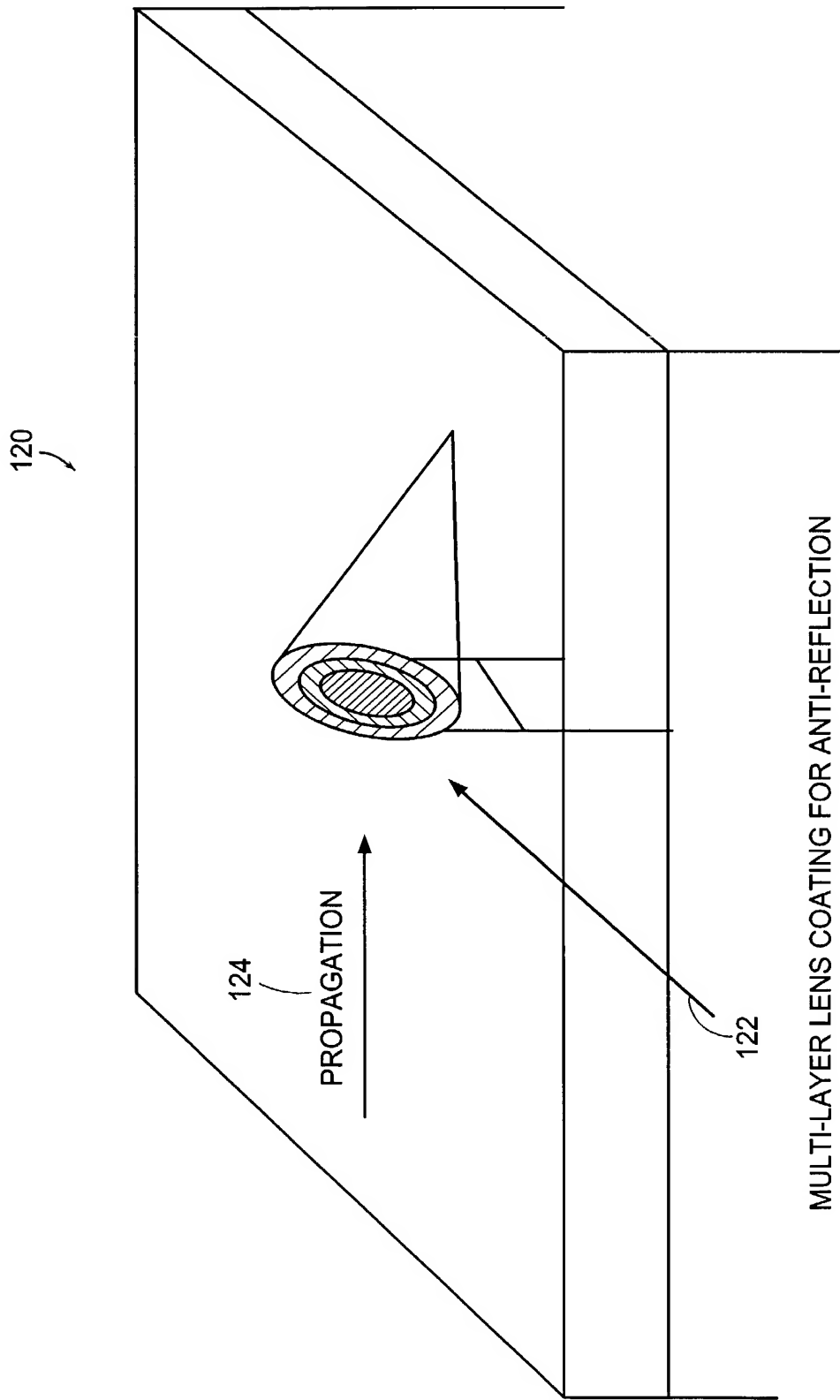


FIG. 10

MULTI-LAYER LENS COATING FOR ANTI-REFLECTION

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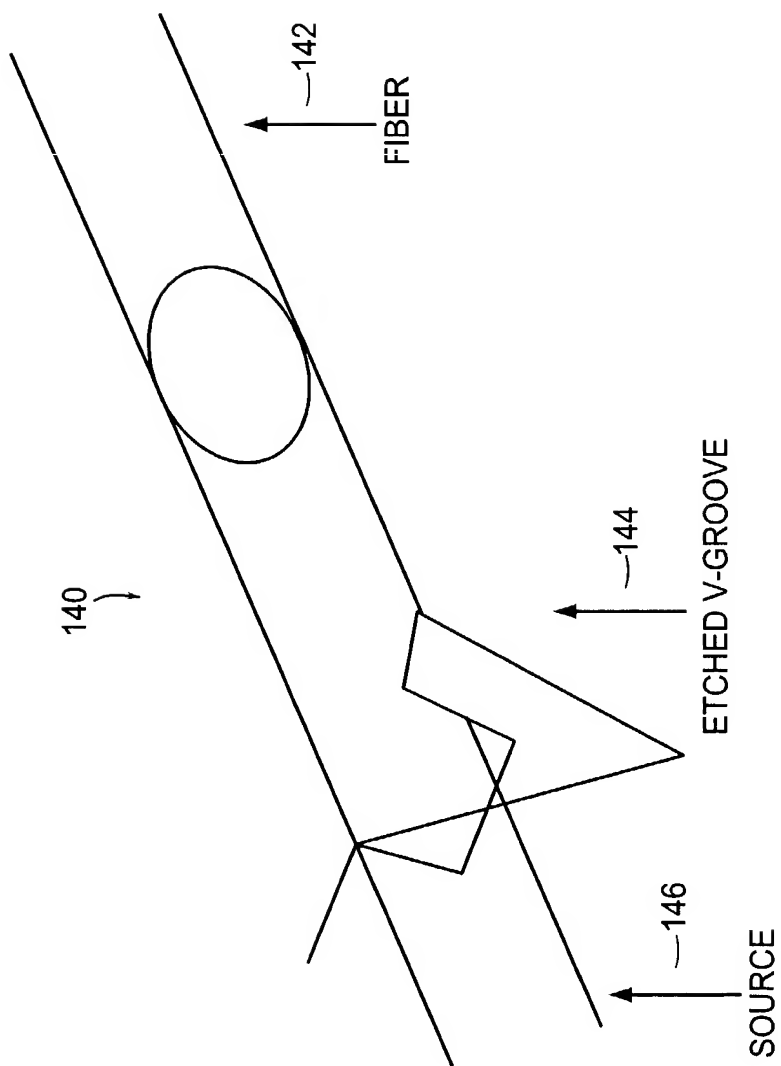


FIG. 11A

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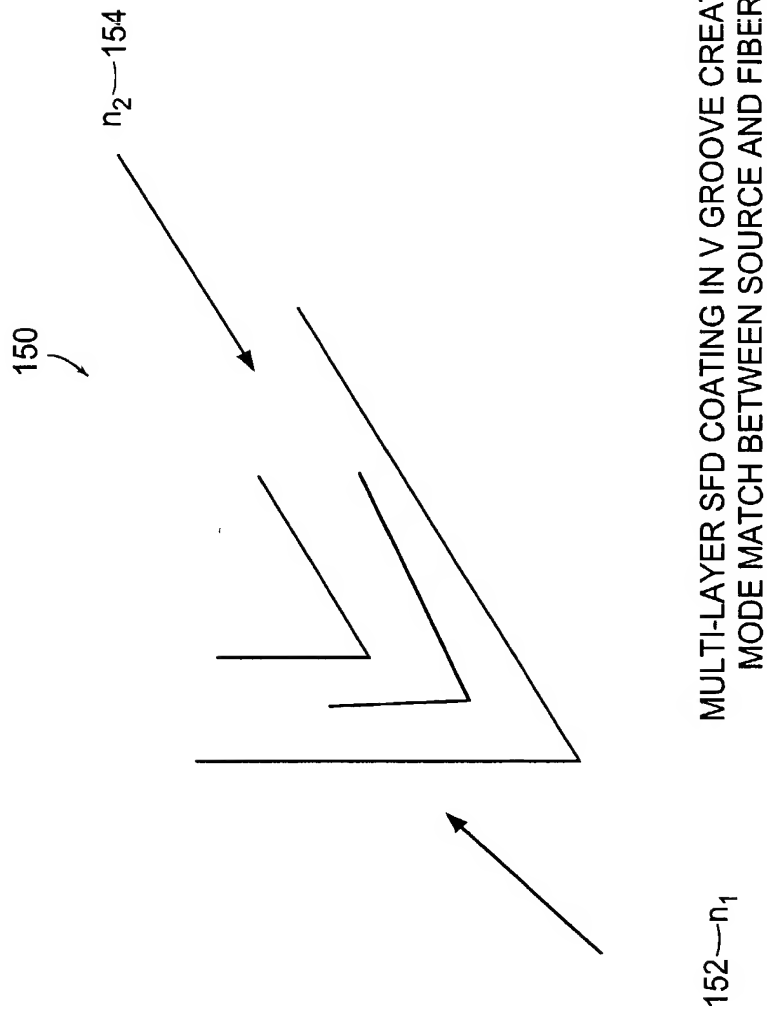


FIG. 11B

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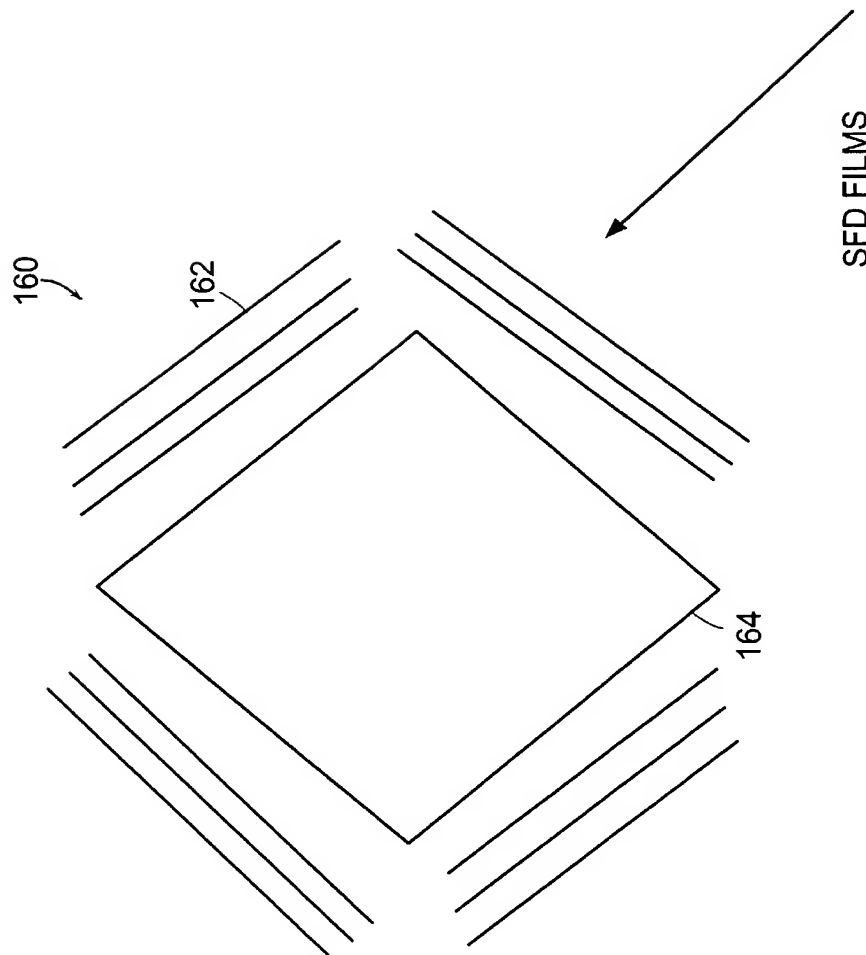


FIG. 12

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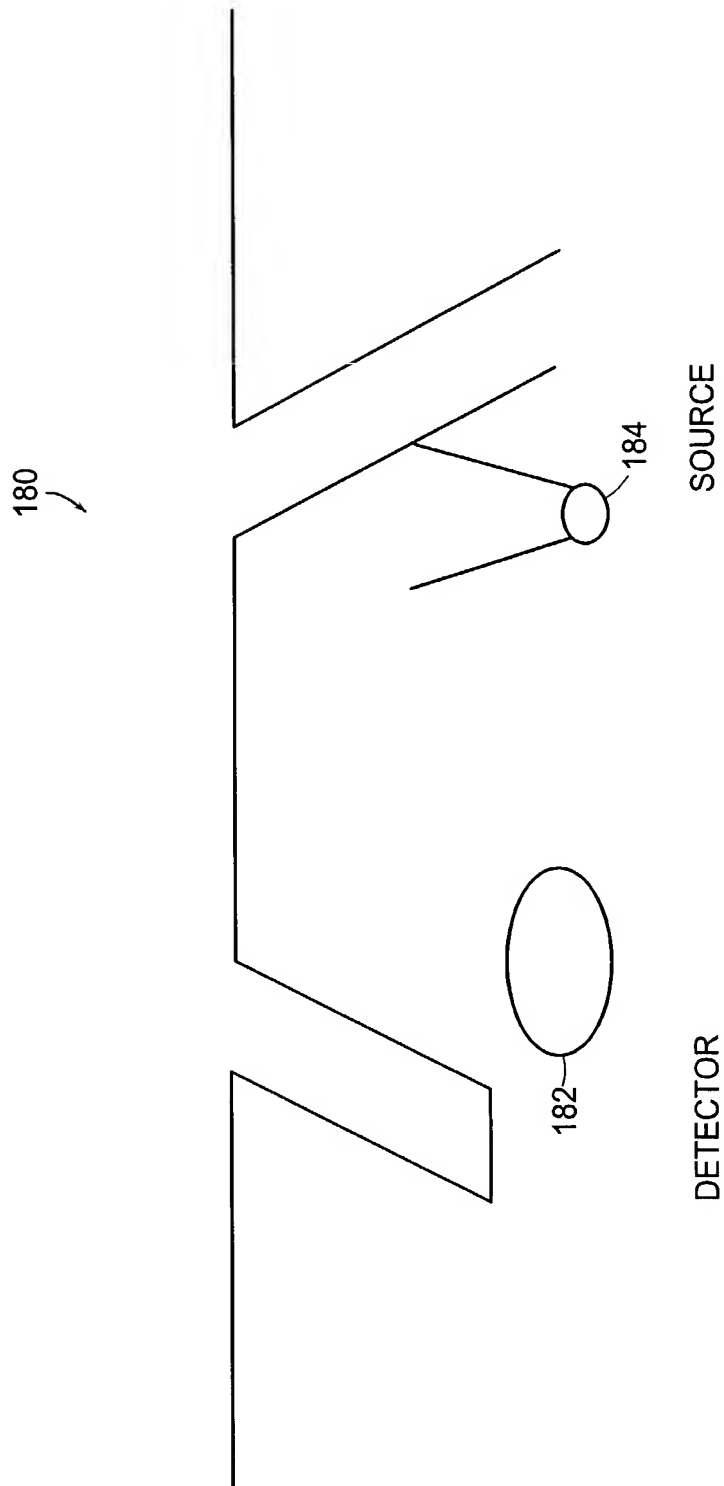


FIG. 13A

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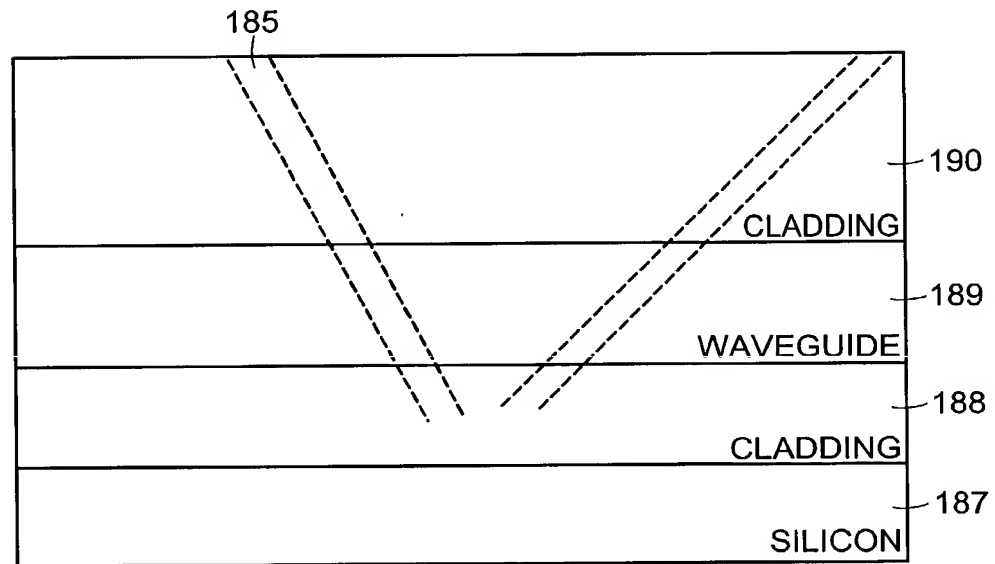


FIG. 13B

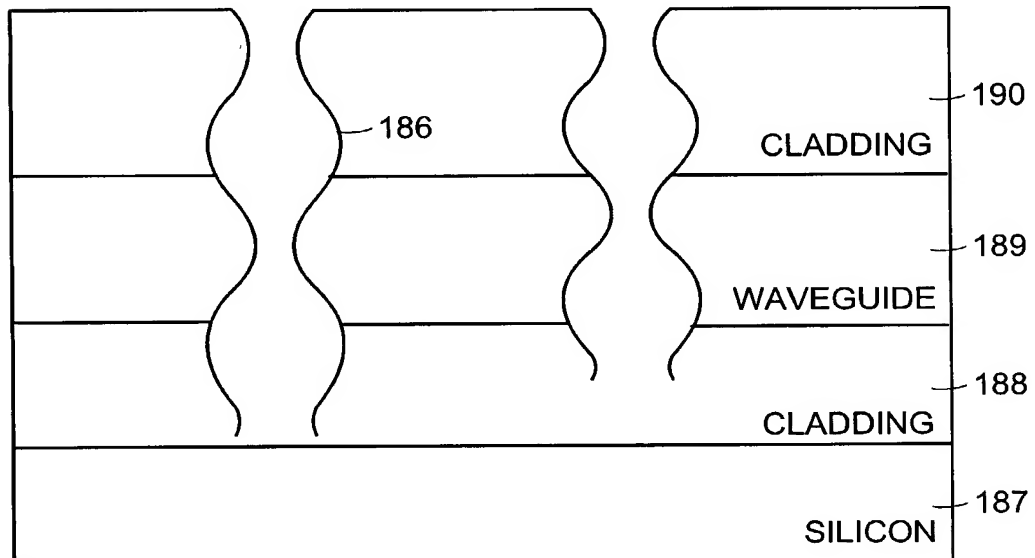


FIG. 13C

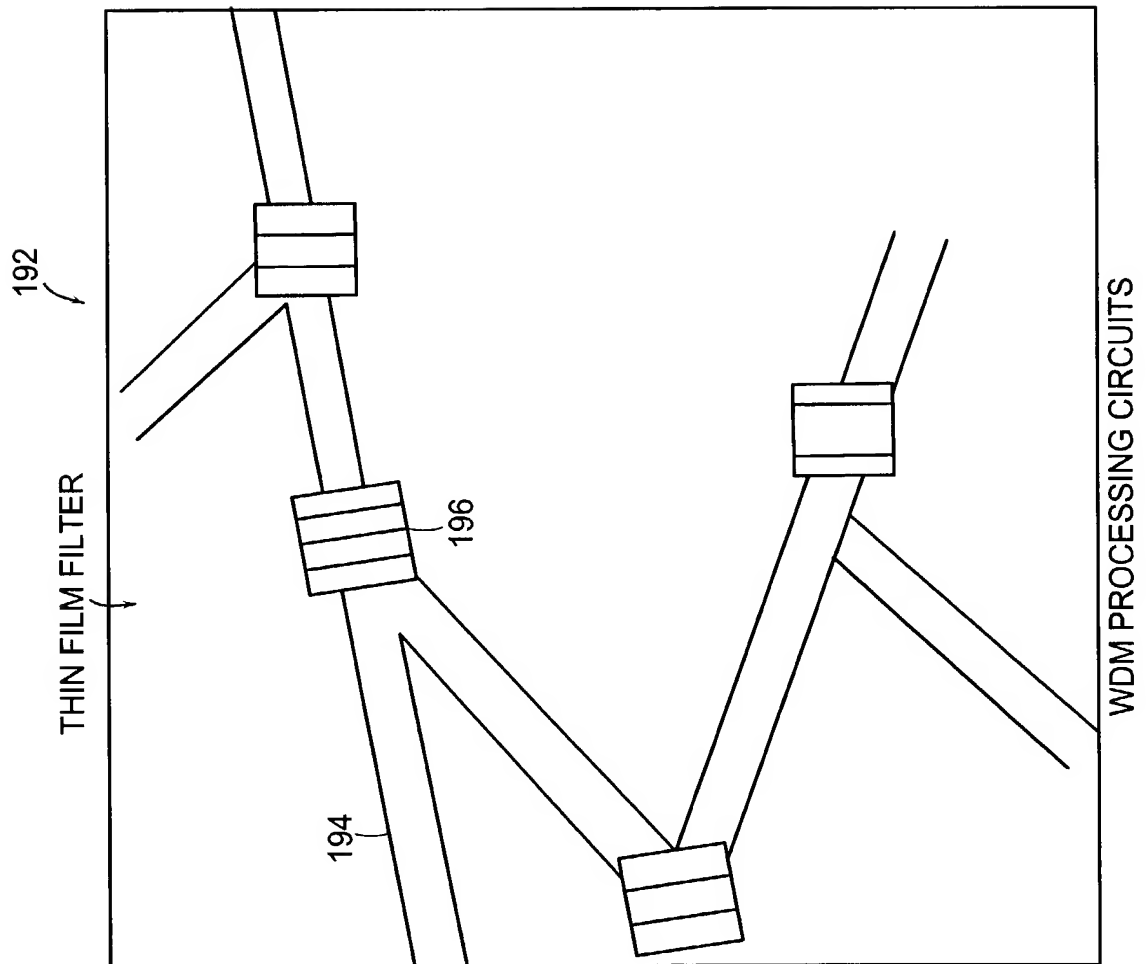


FIG. 14

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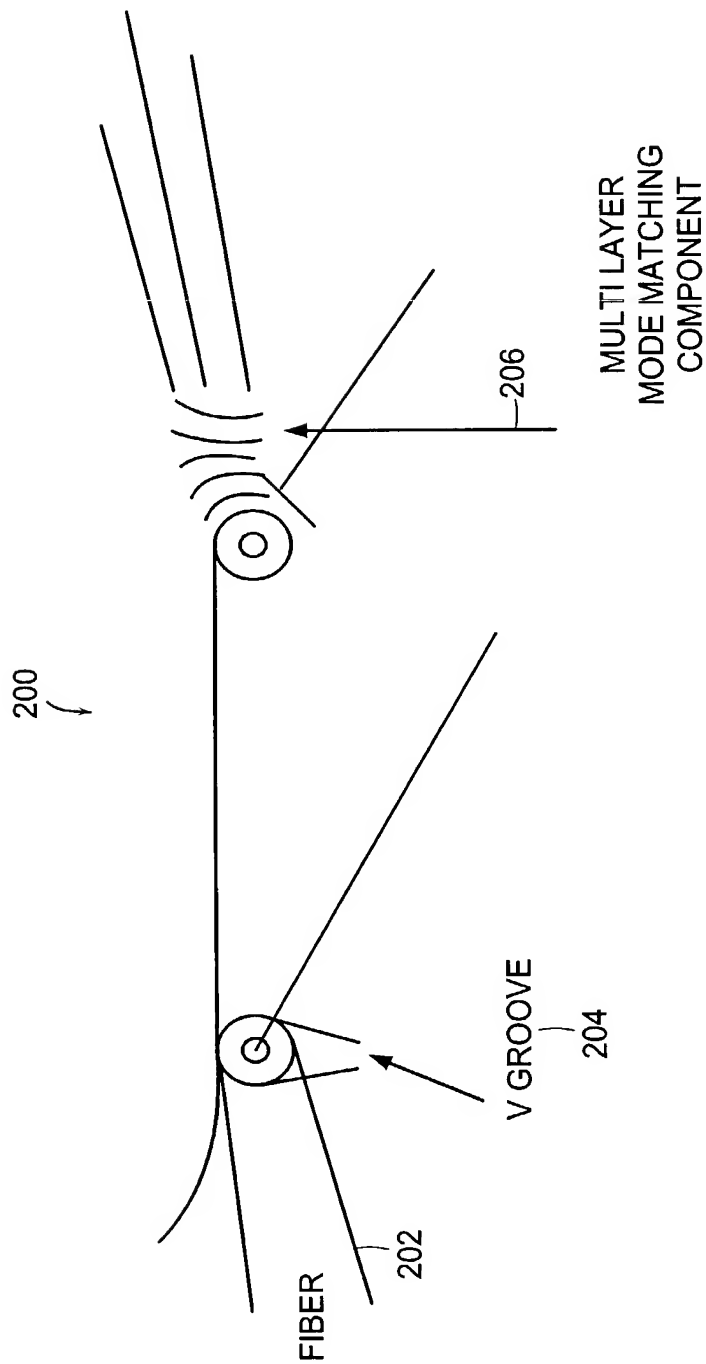
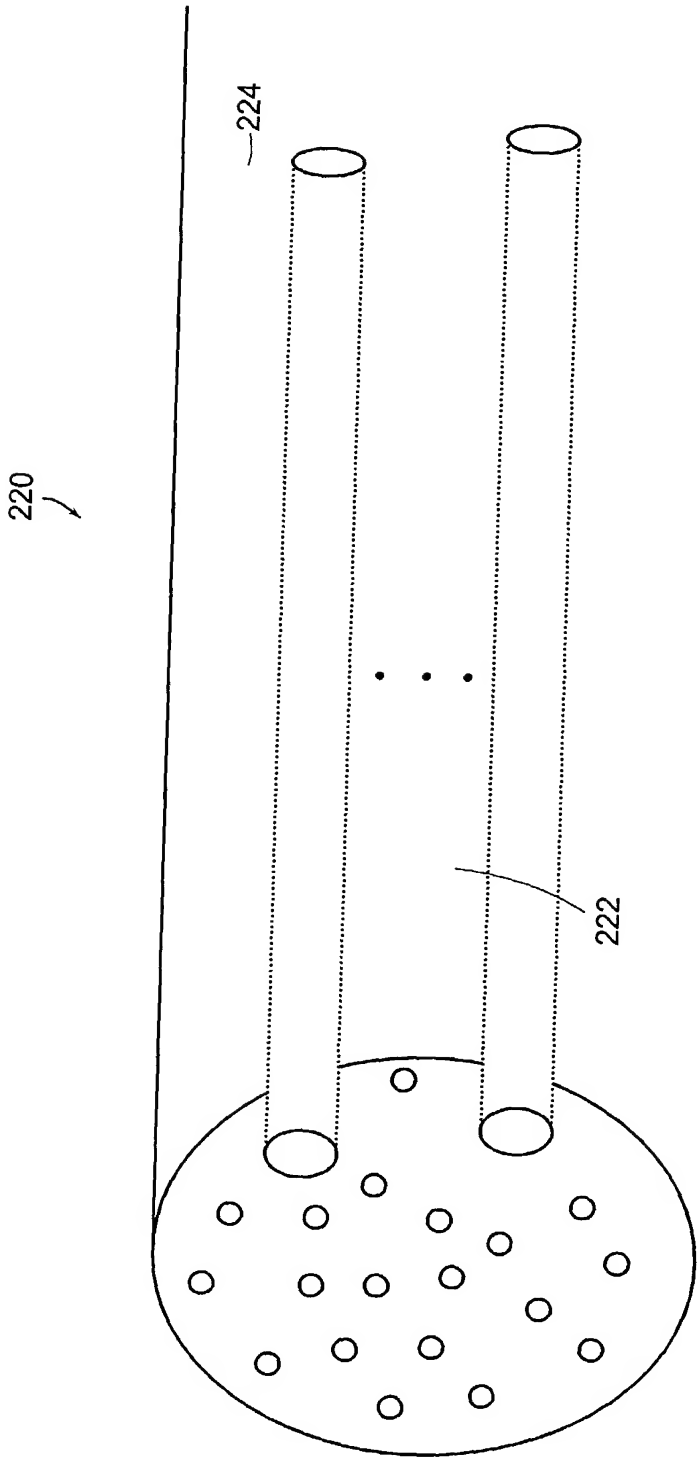


FIG. 15



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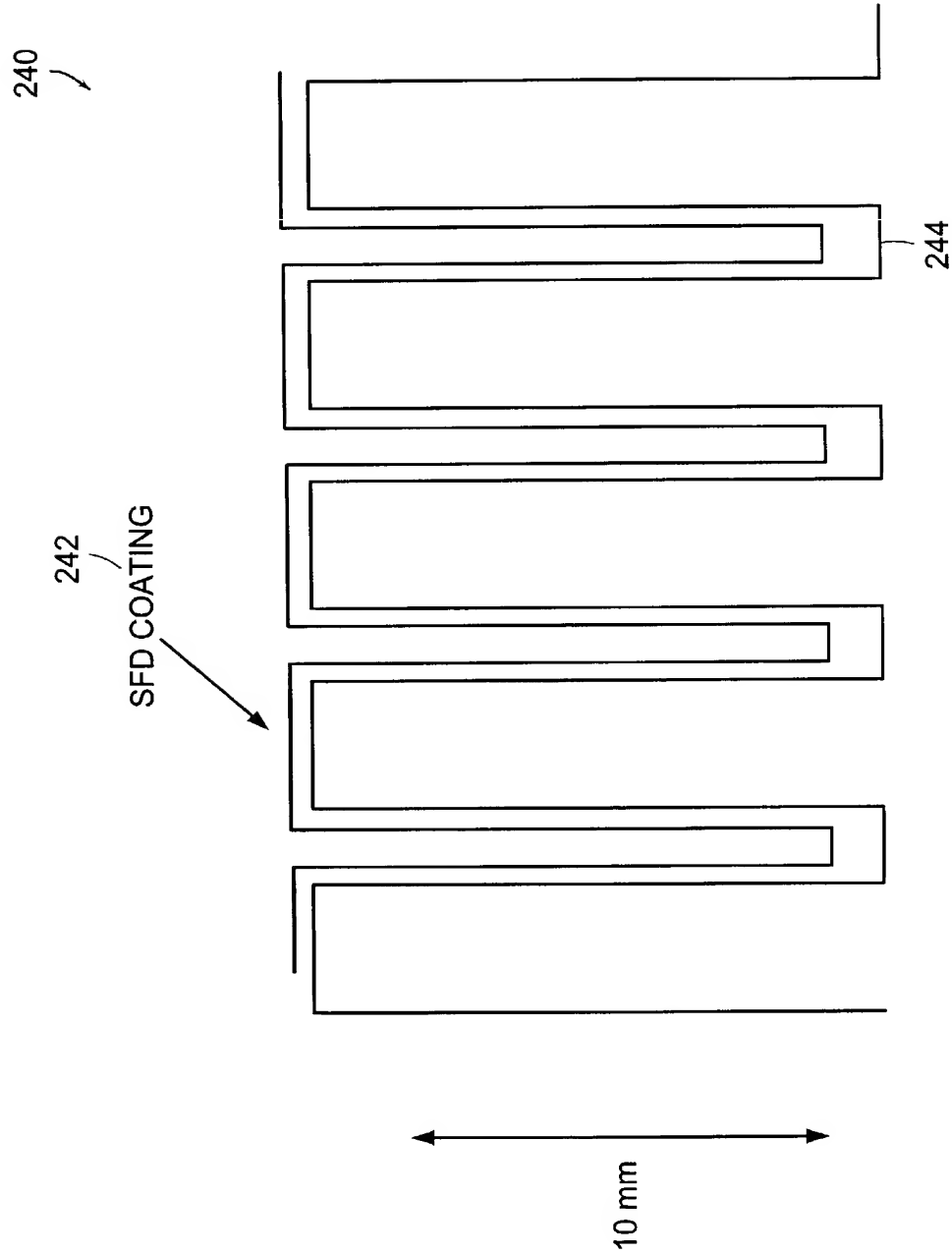
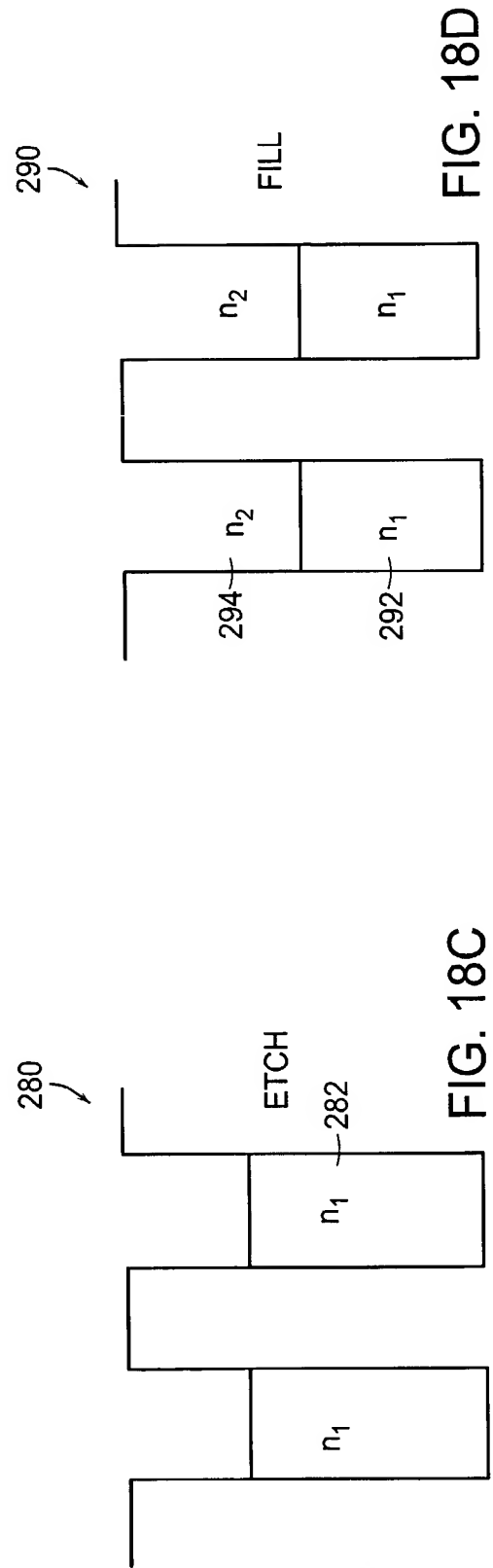
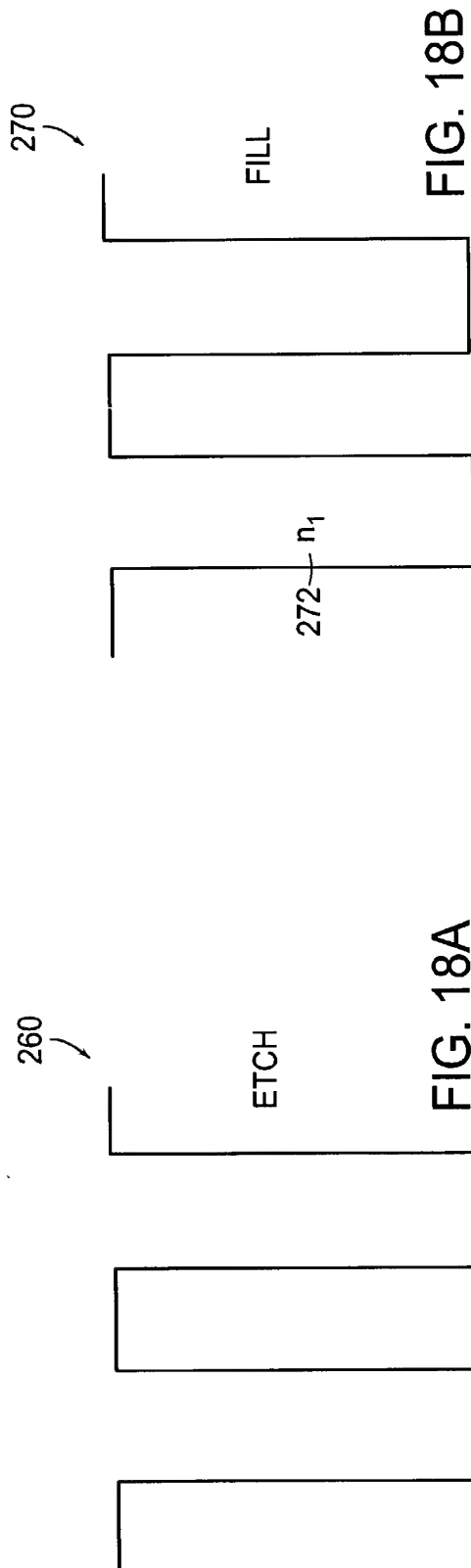


FIG. 17



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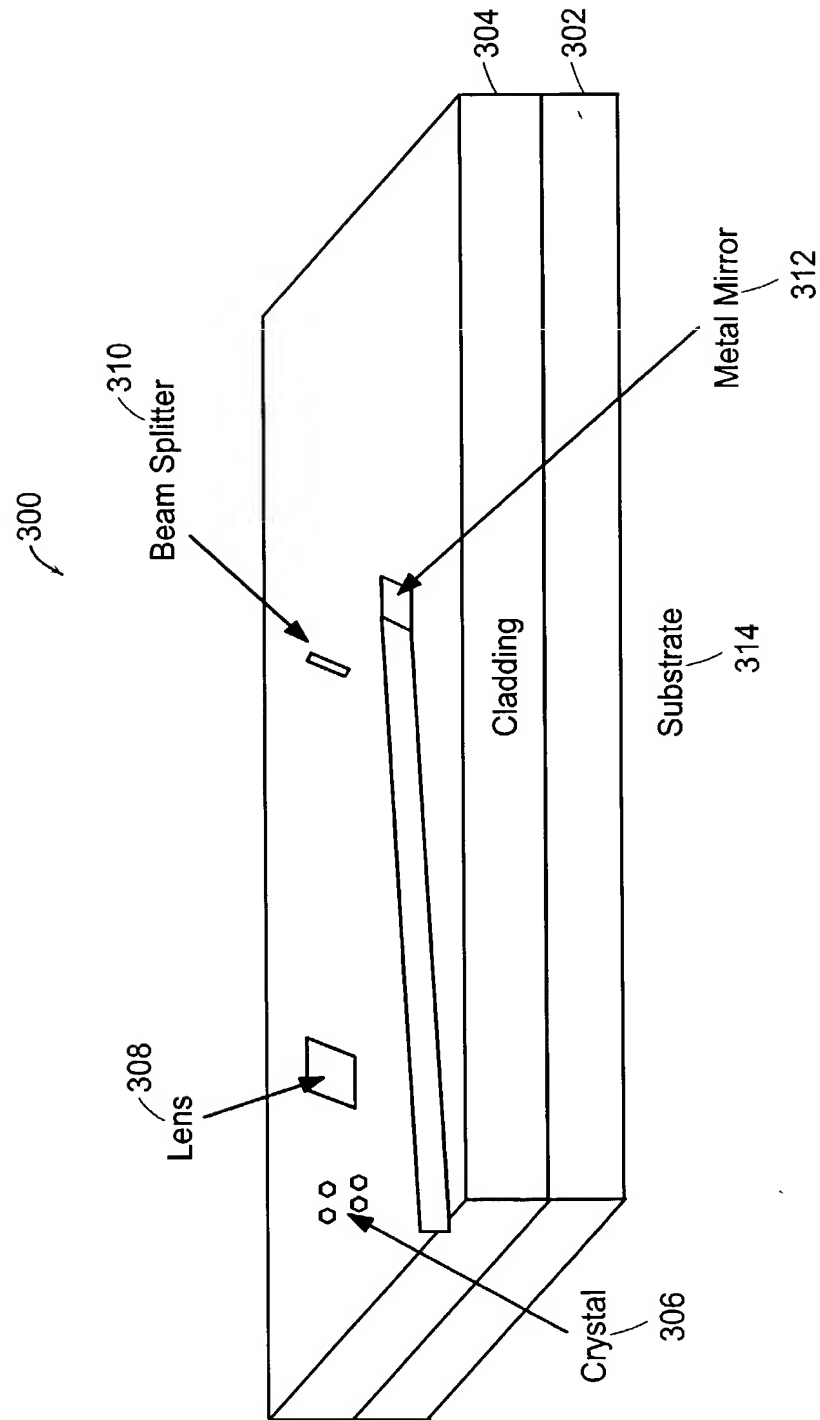


FIG. 19

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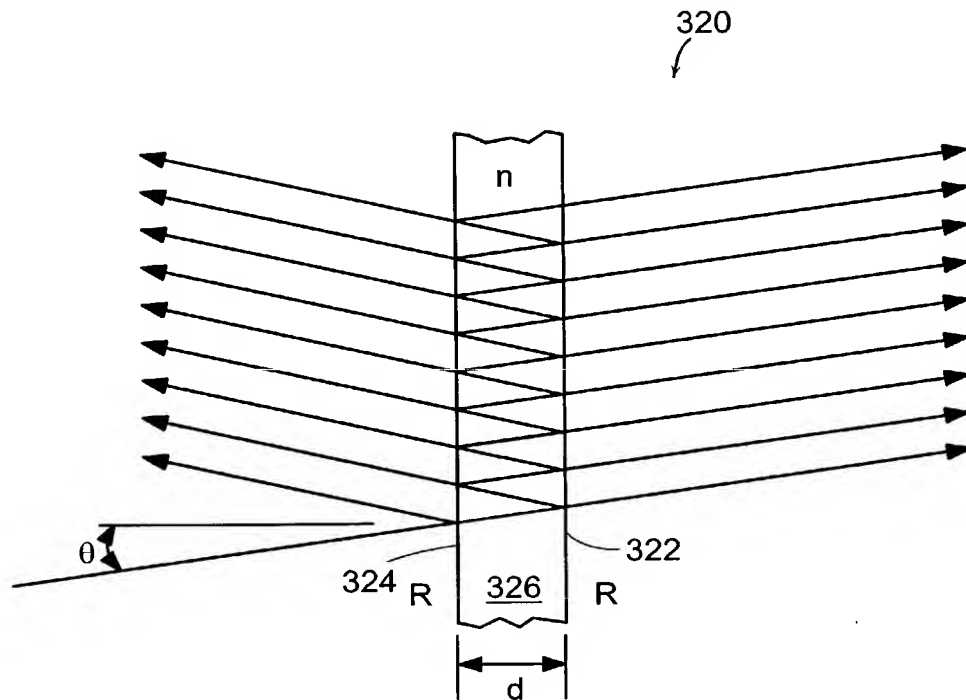


FIG. 20

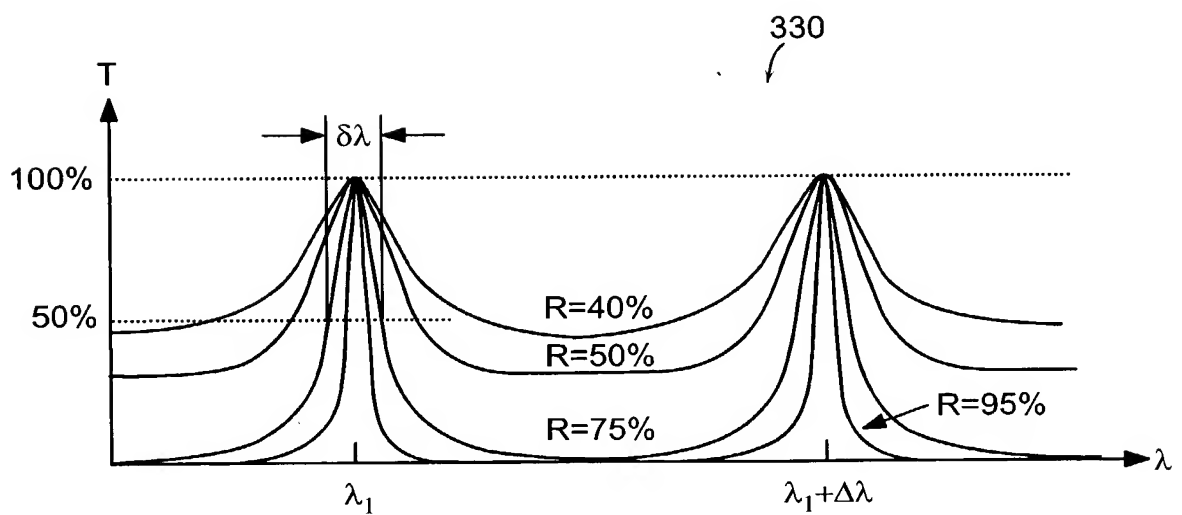


FIG. 21

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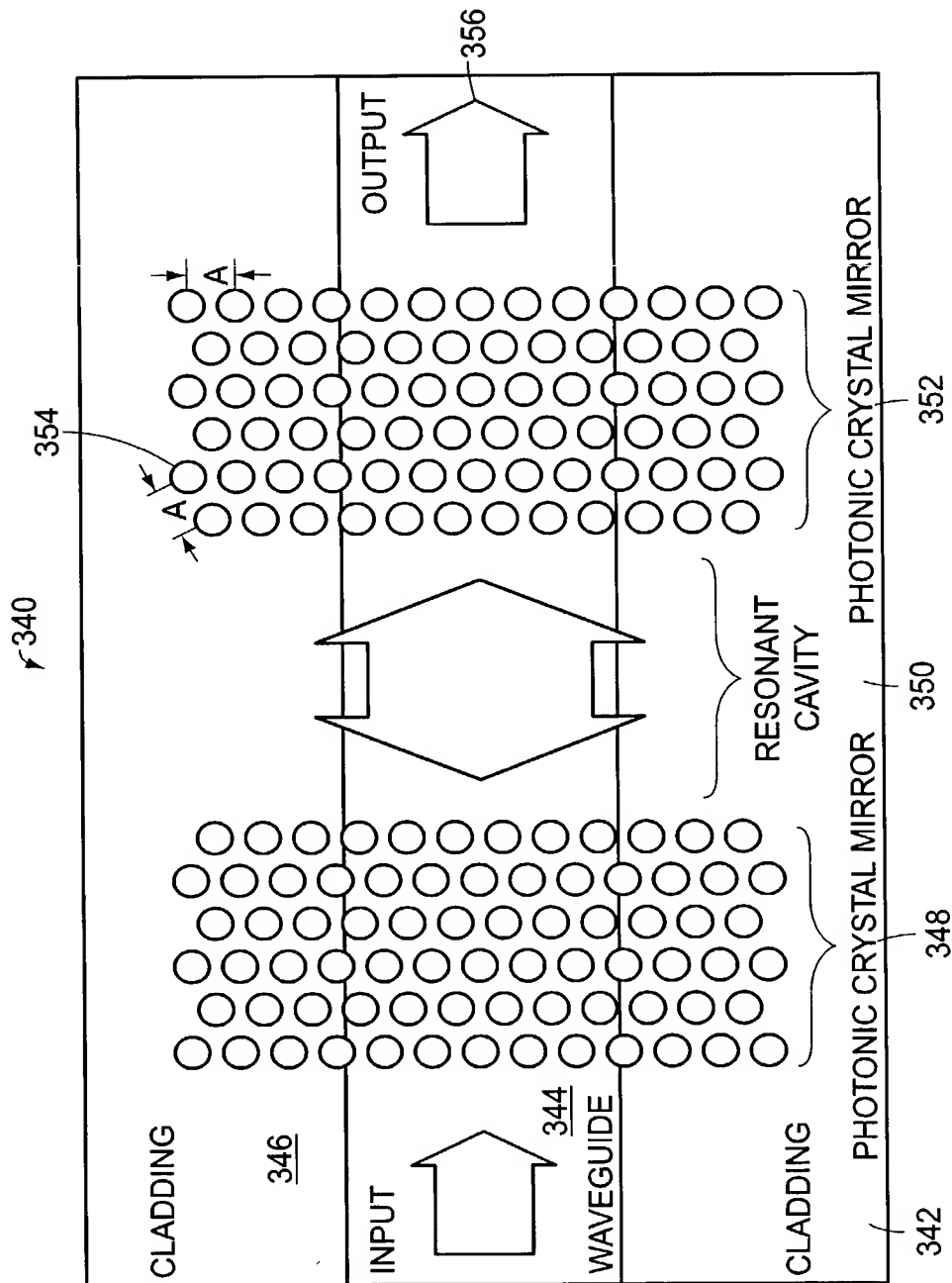


FIG. 22

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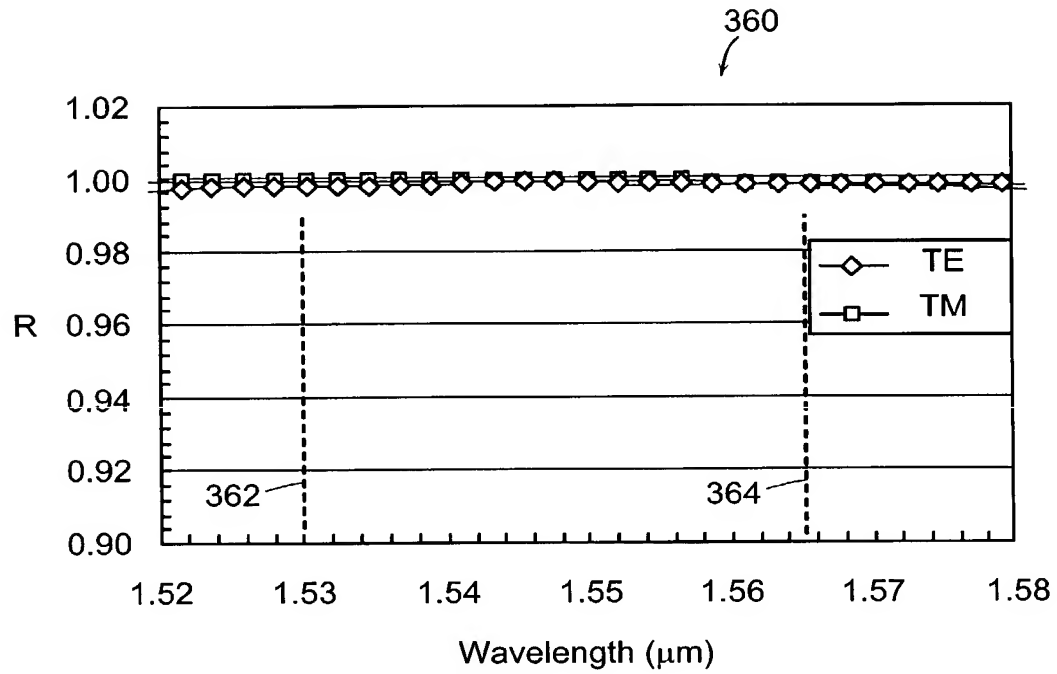


FIG. 23

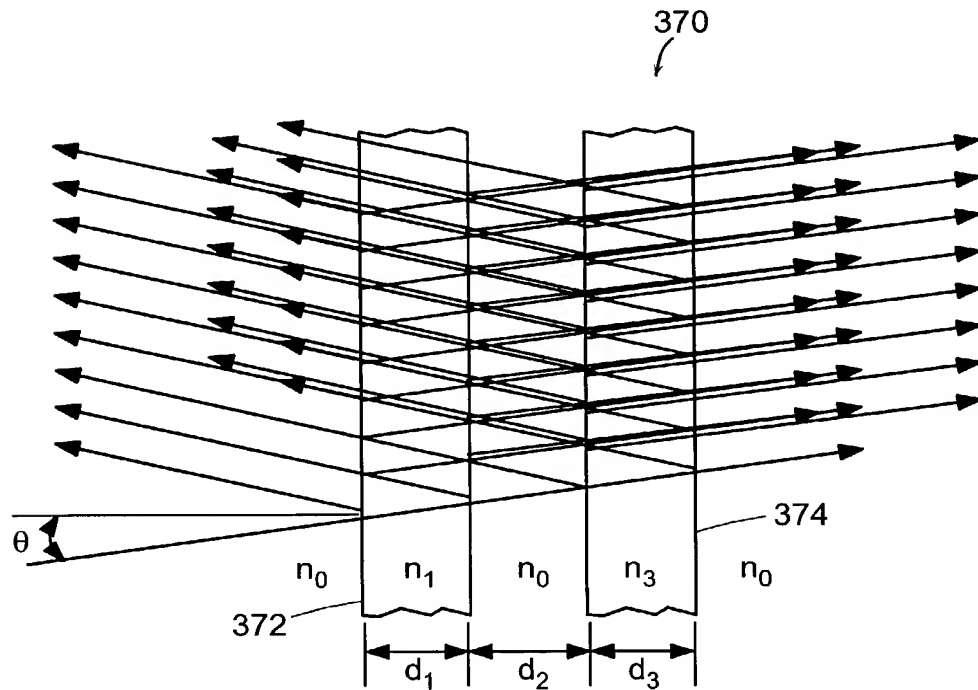
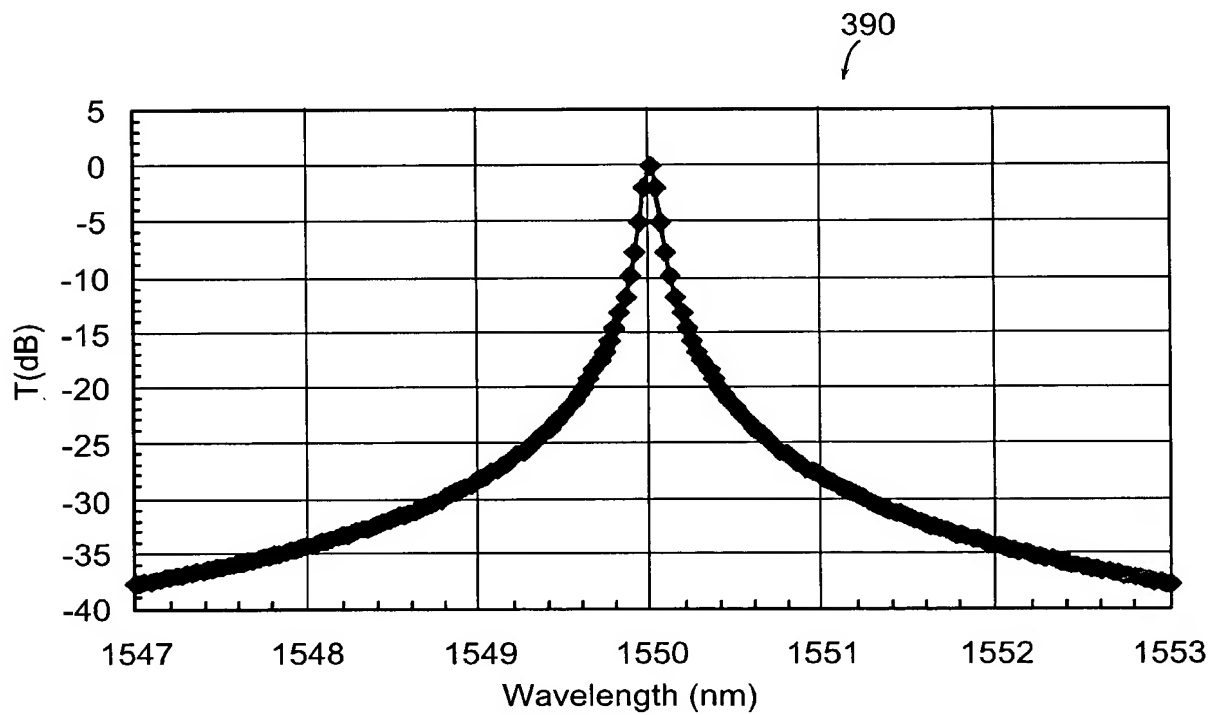
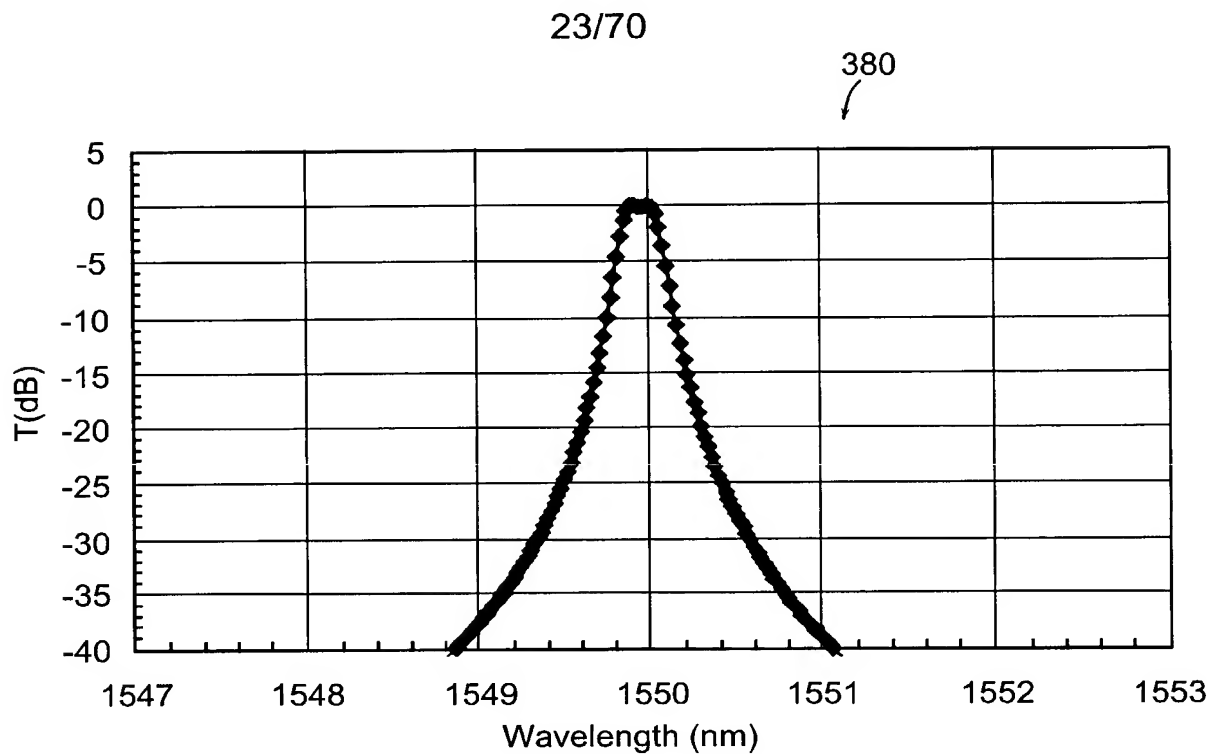


FIG. 24



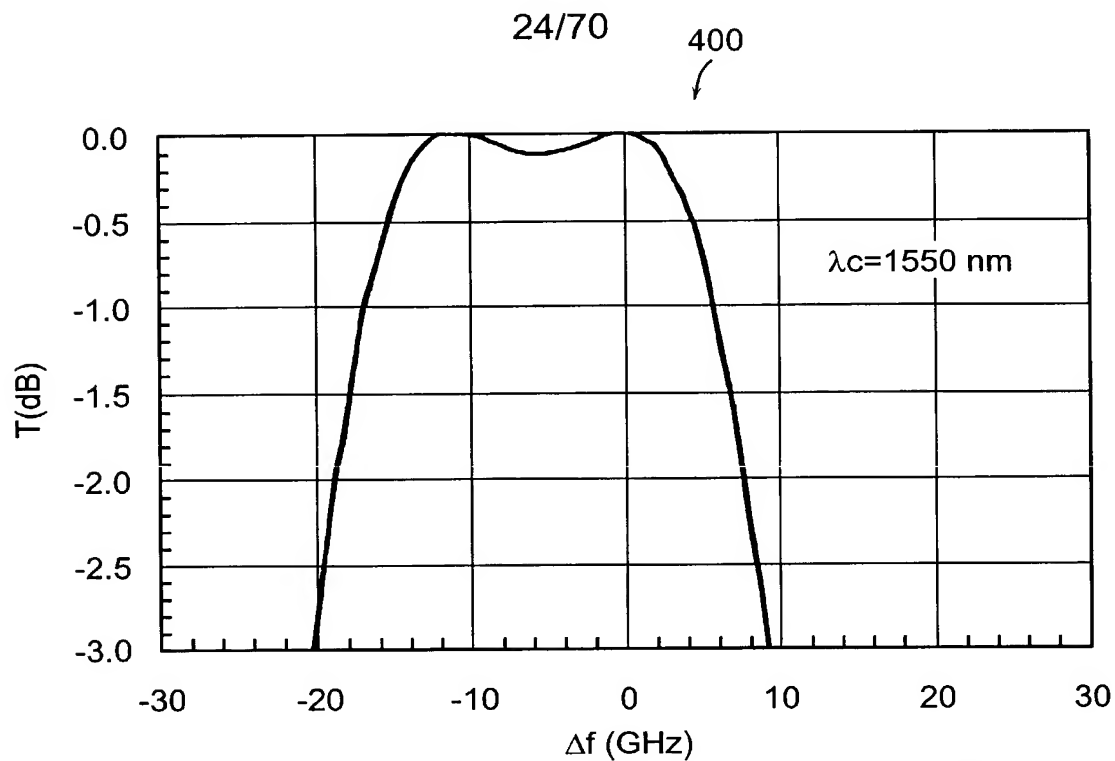


FIG. 27

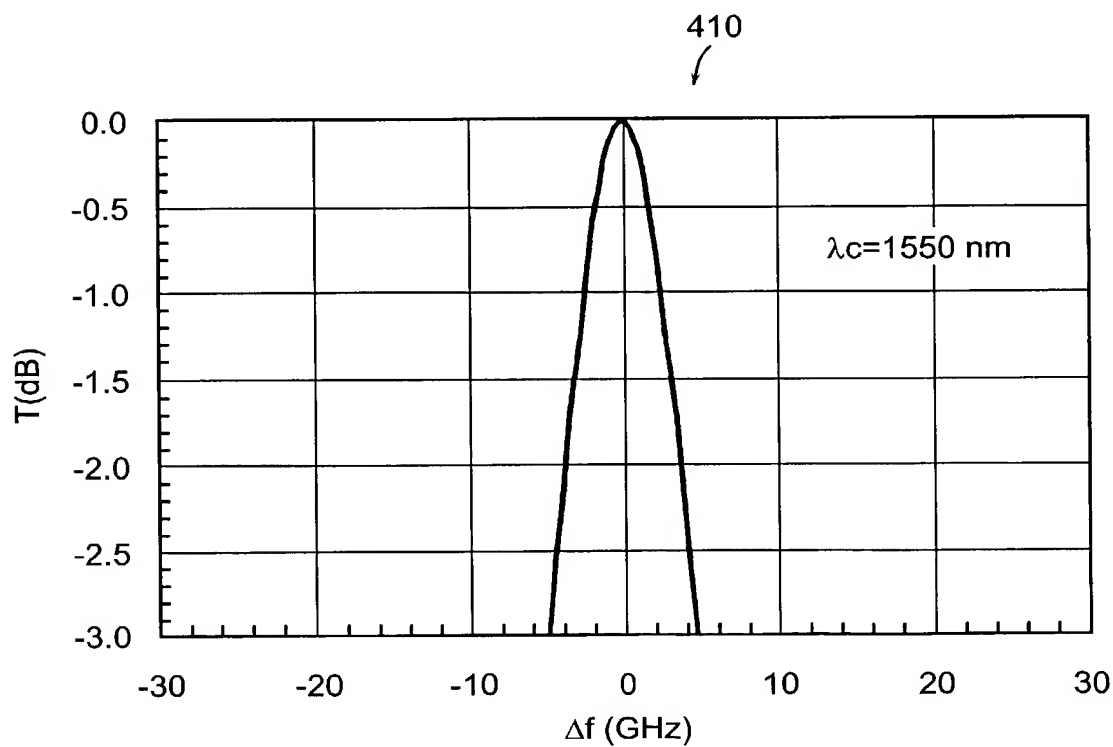


FIG. 28

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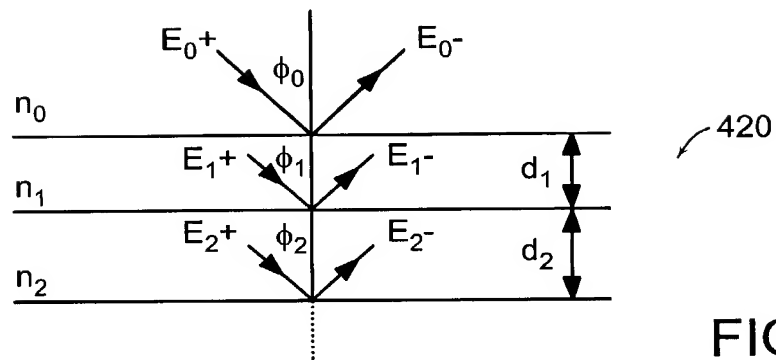


FIG. 29A

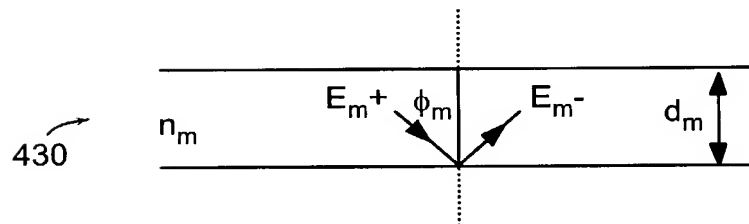


FIG. 29B

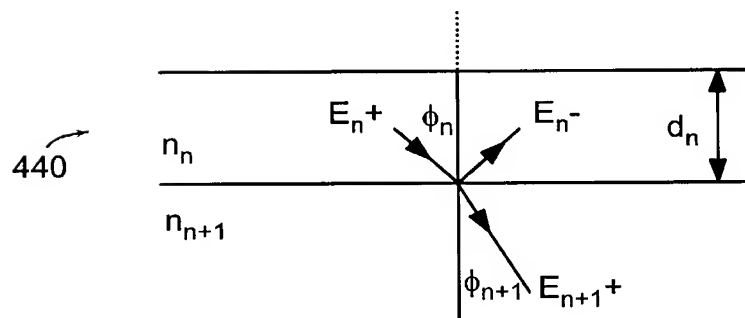


FIG. 29C

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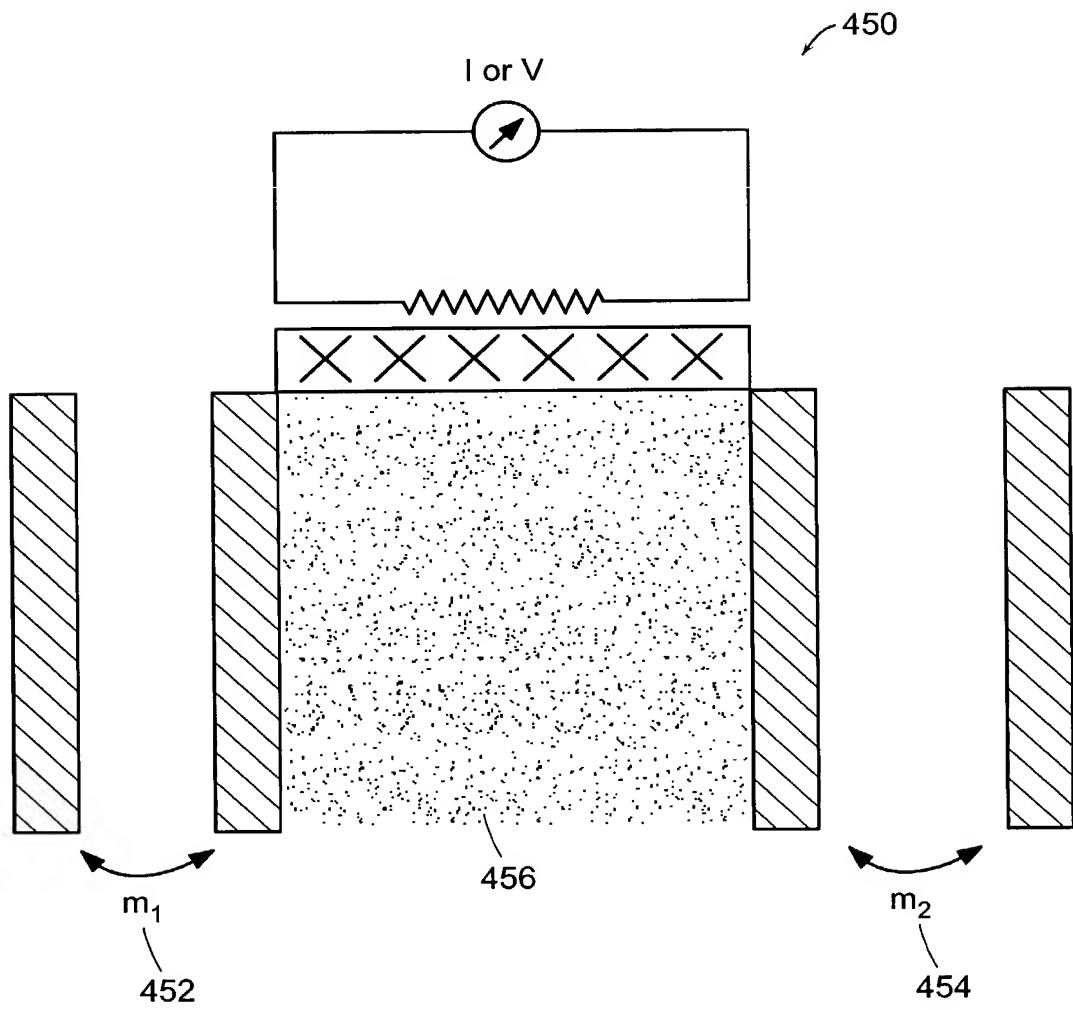


FIG. 30A

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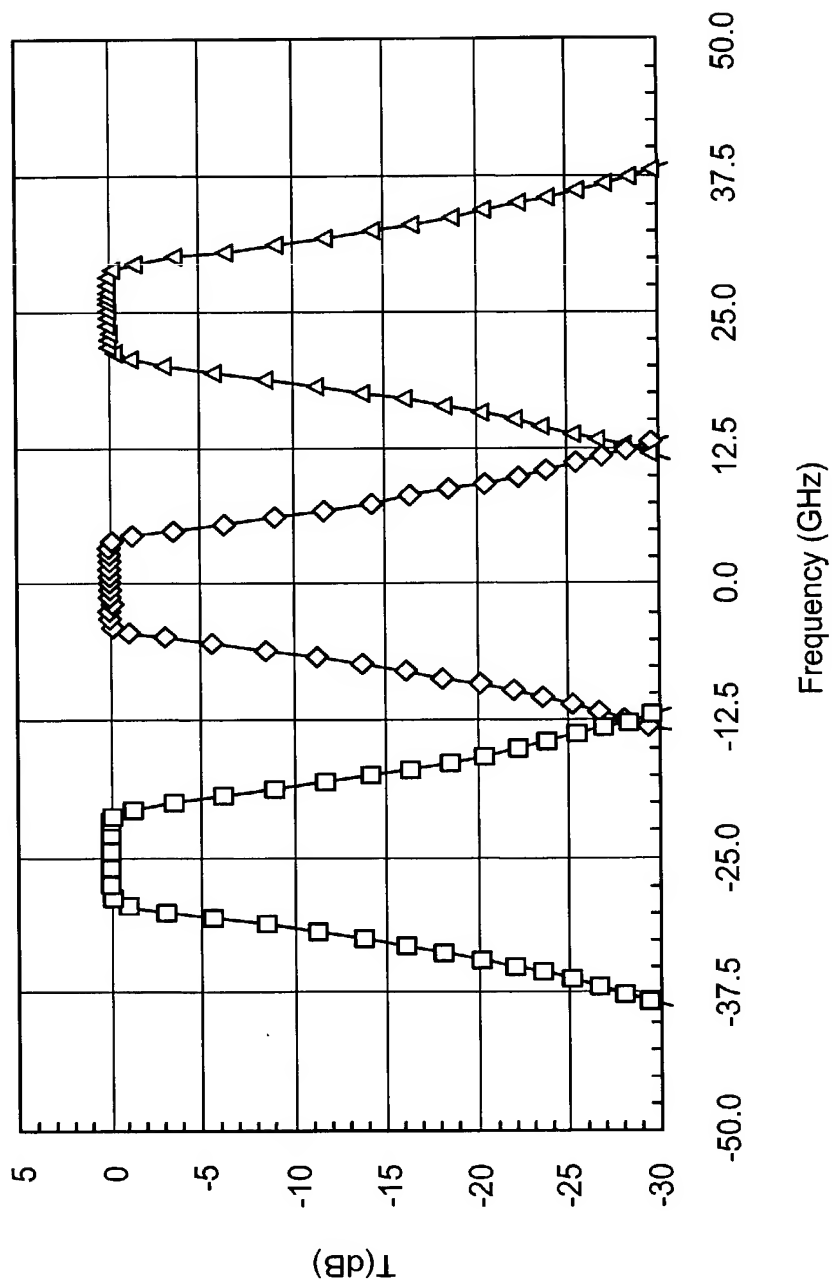


FIG. 30B

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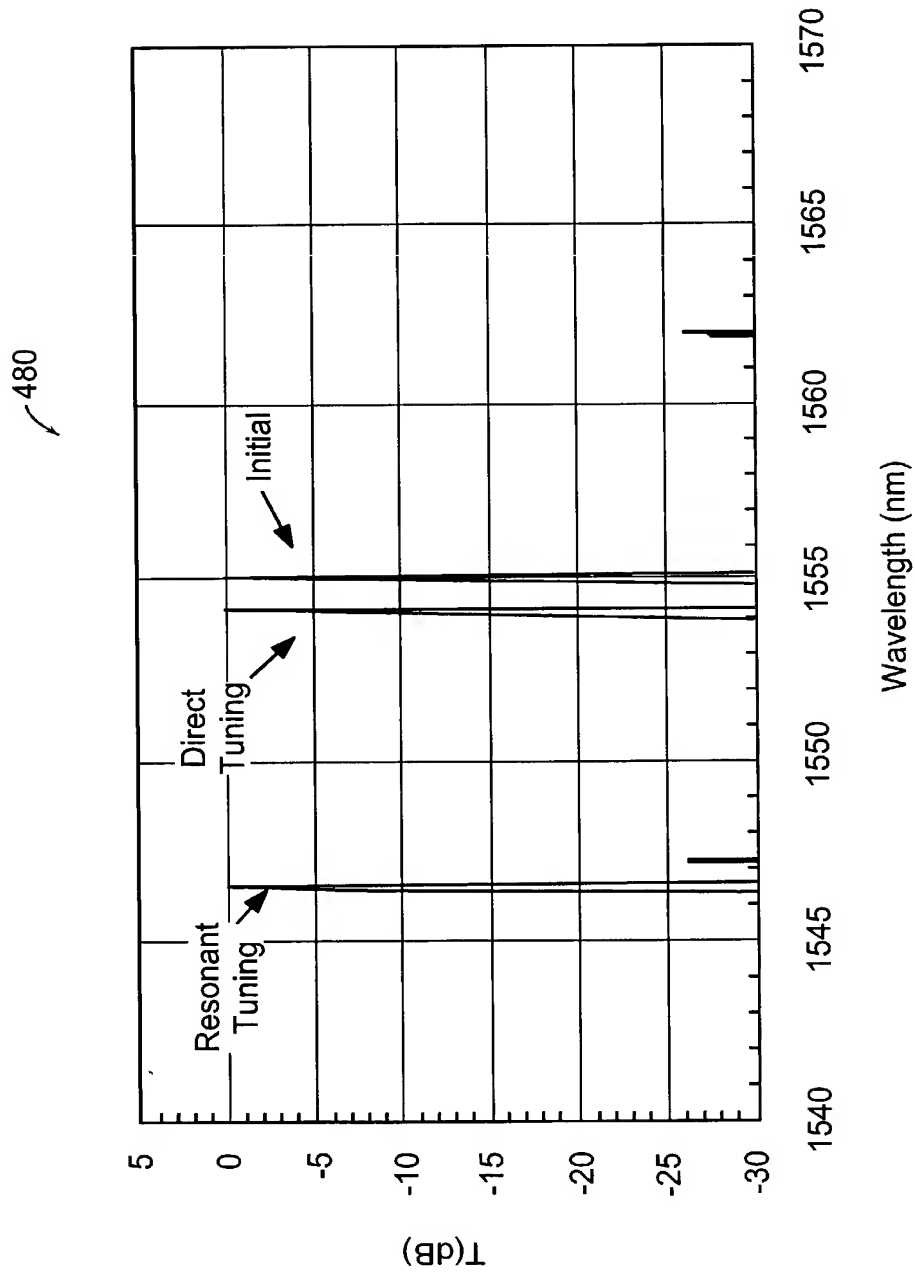


FIG. 31

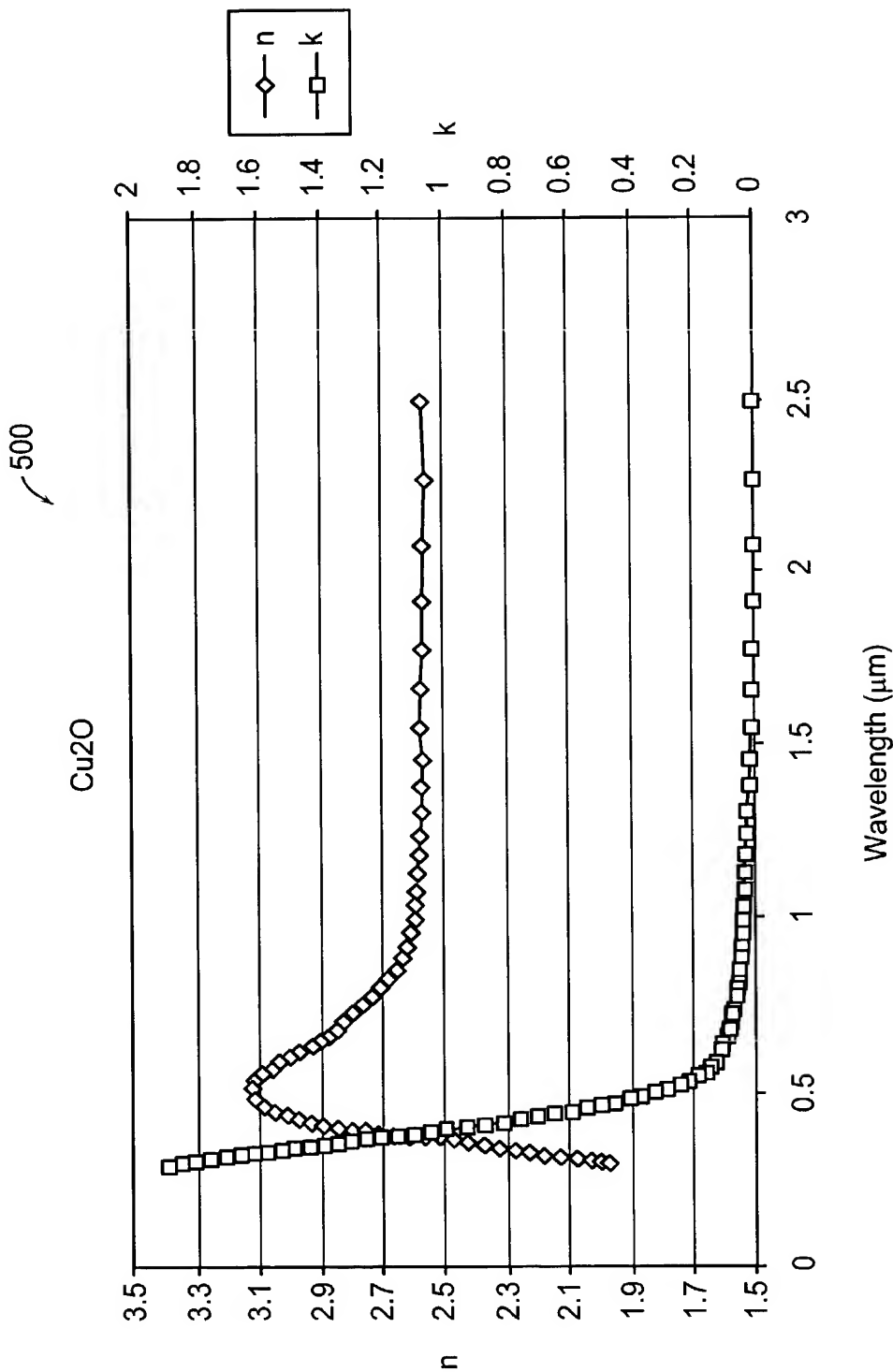


FIG. 32

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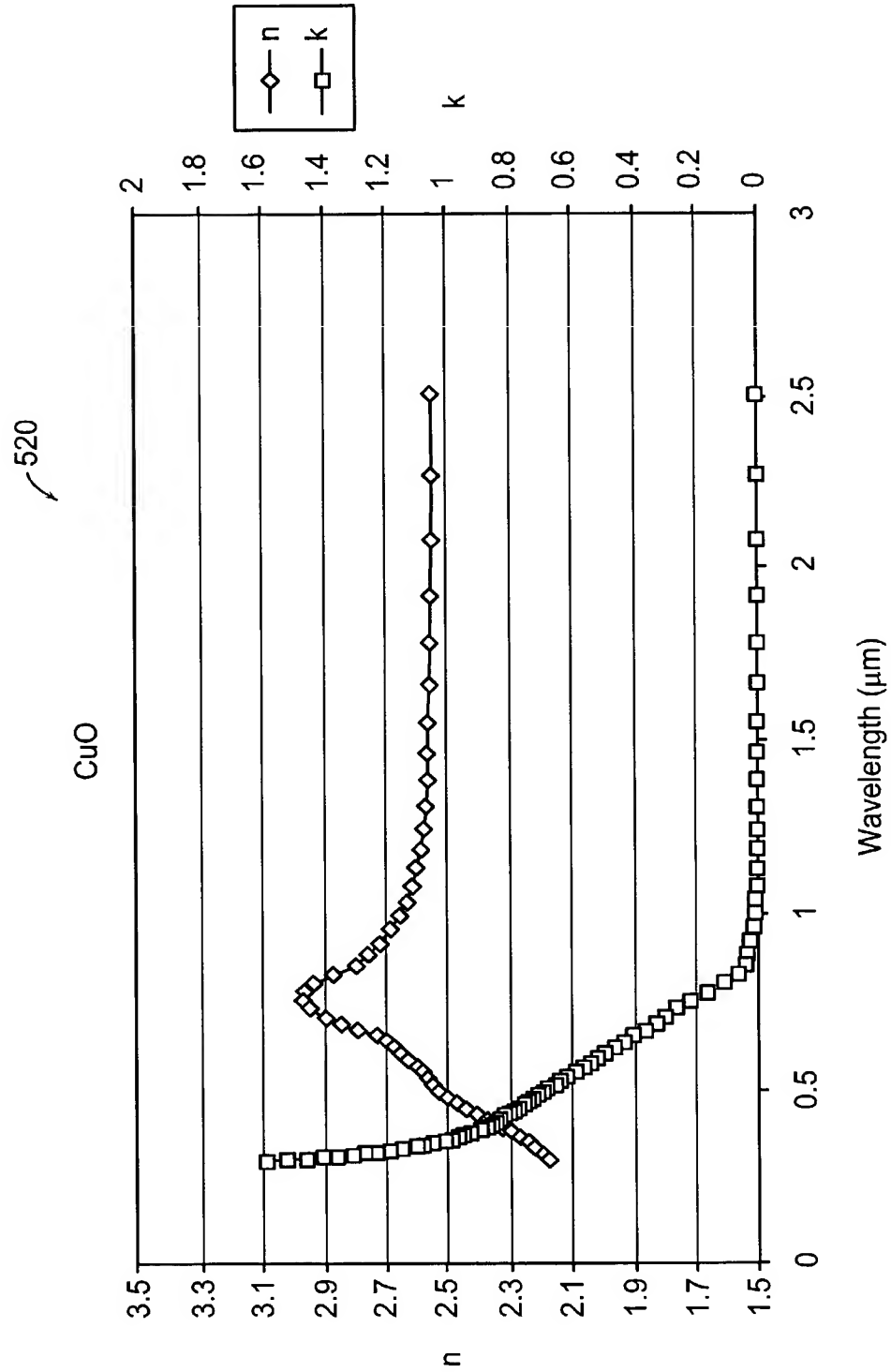


FIG. 33

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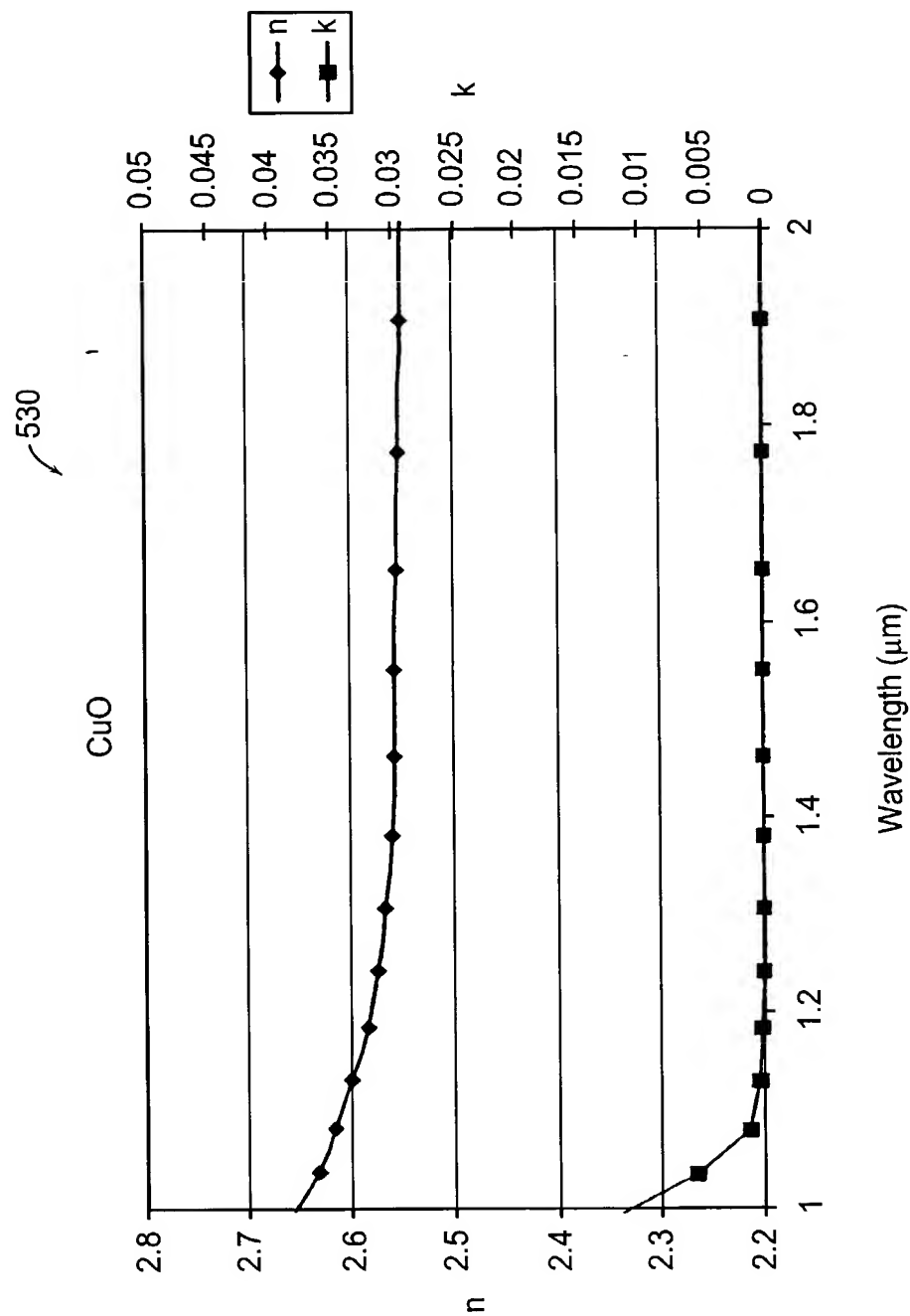


FIG. 34

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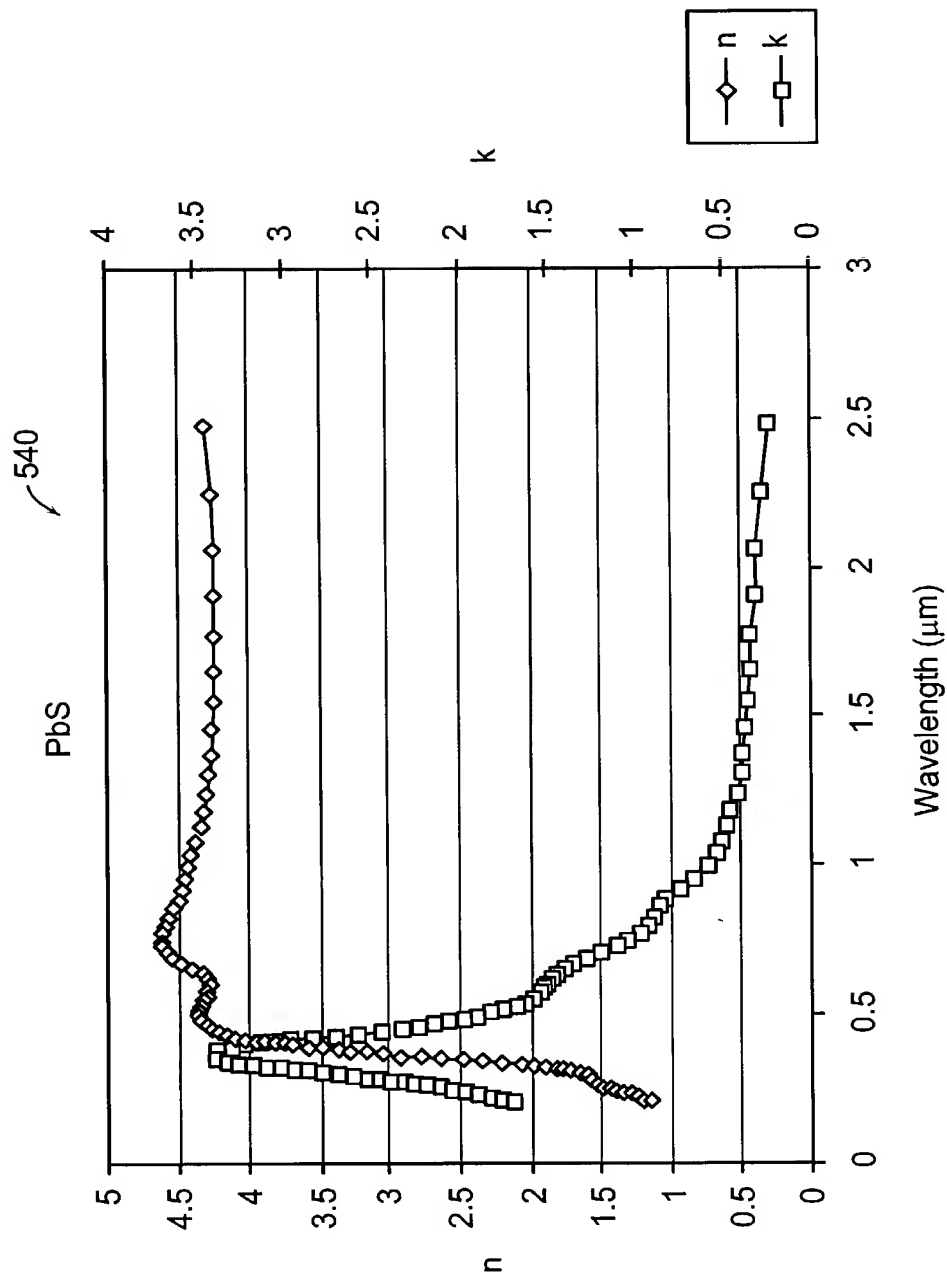


FIG. 35

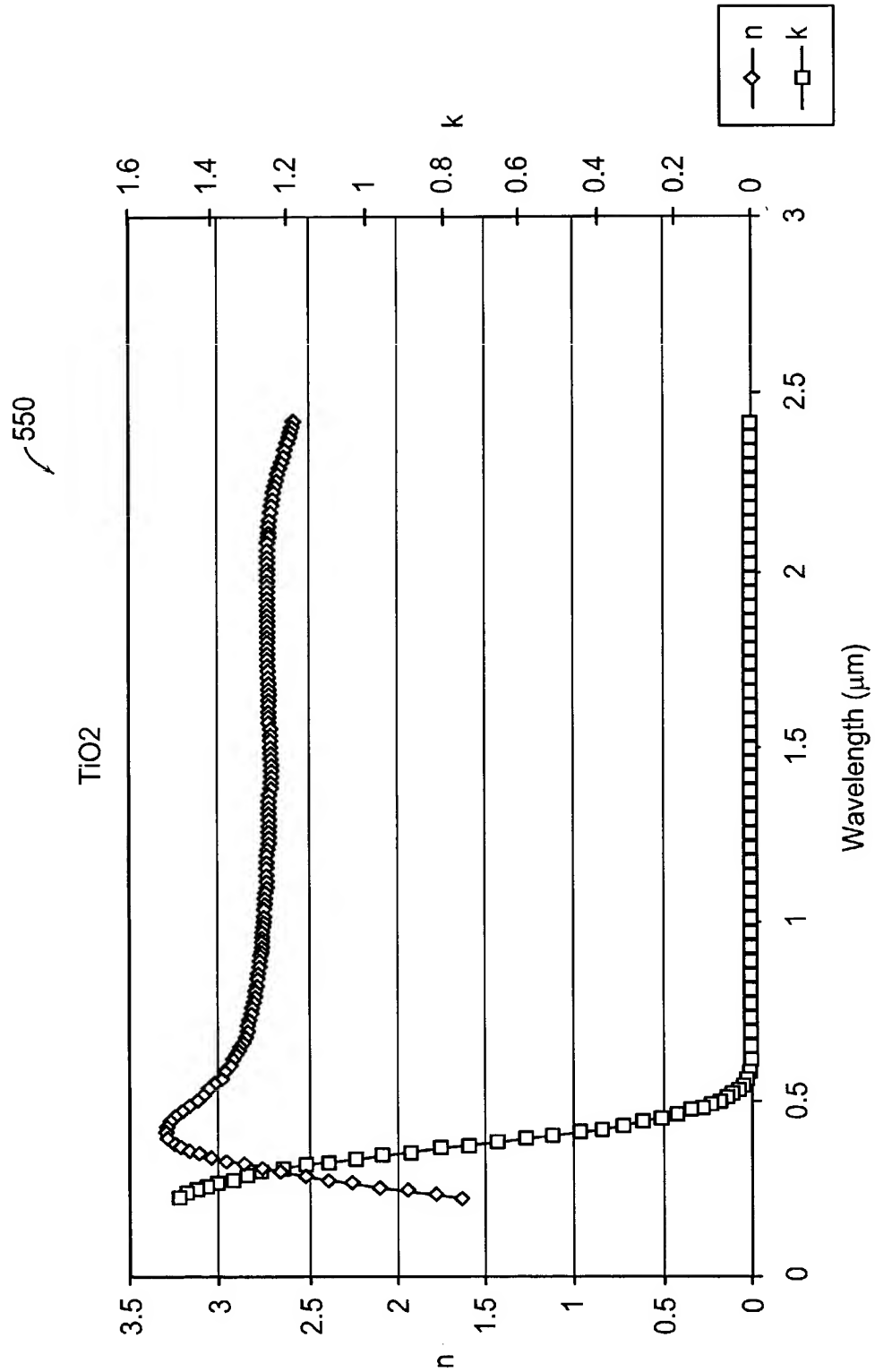


FIG. 36

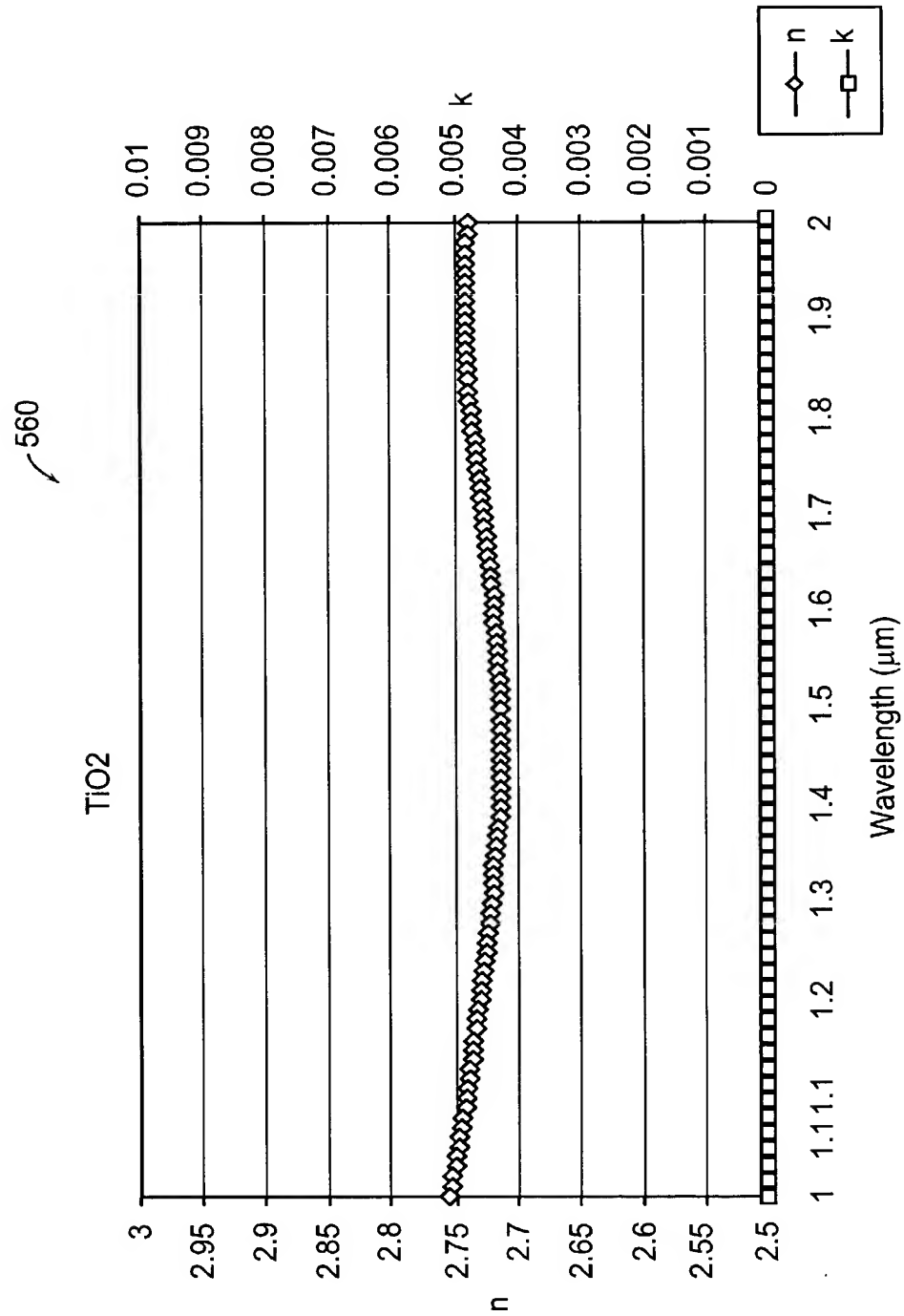


FIG. 37

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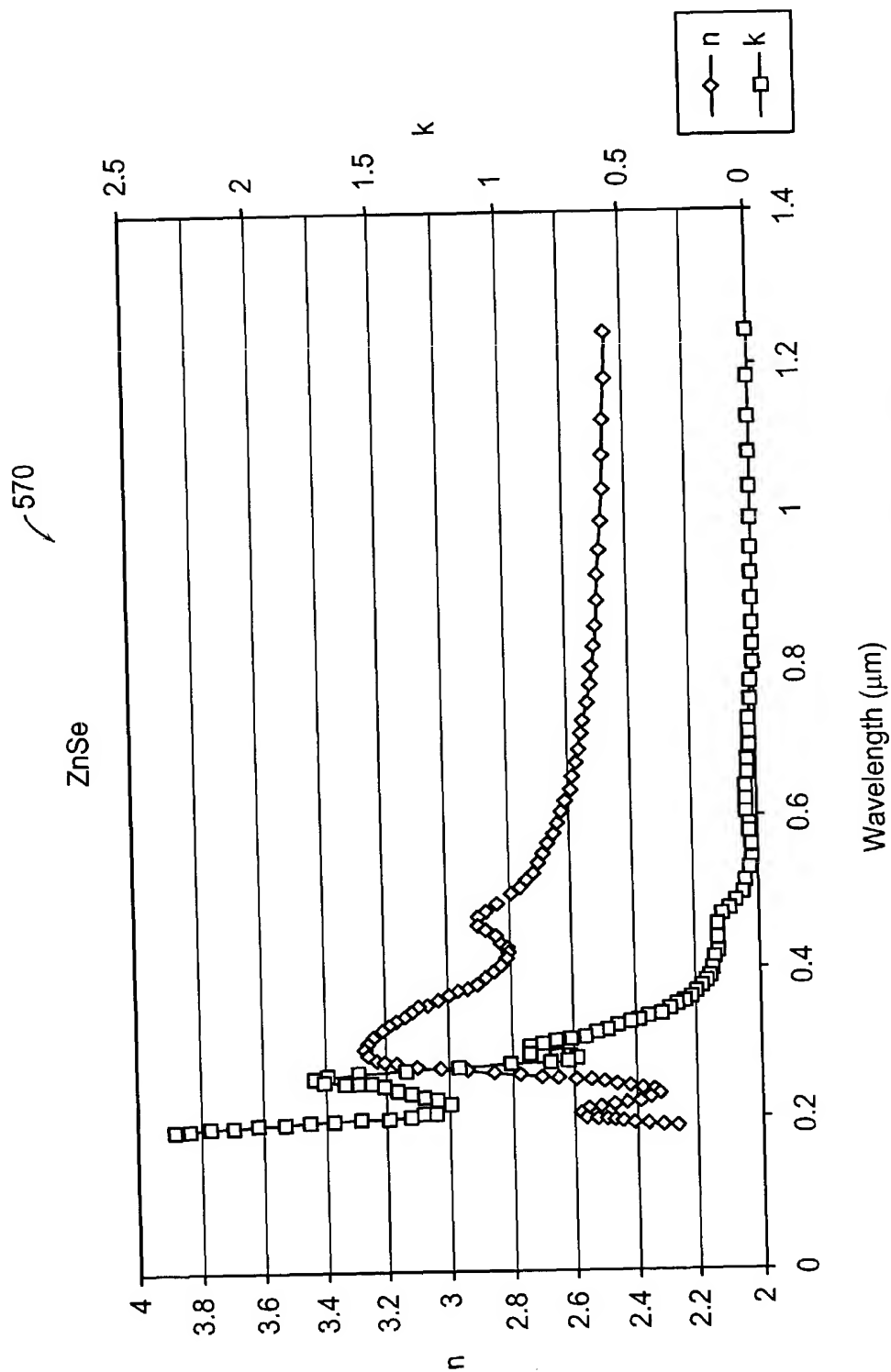


FIG. 38

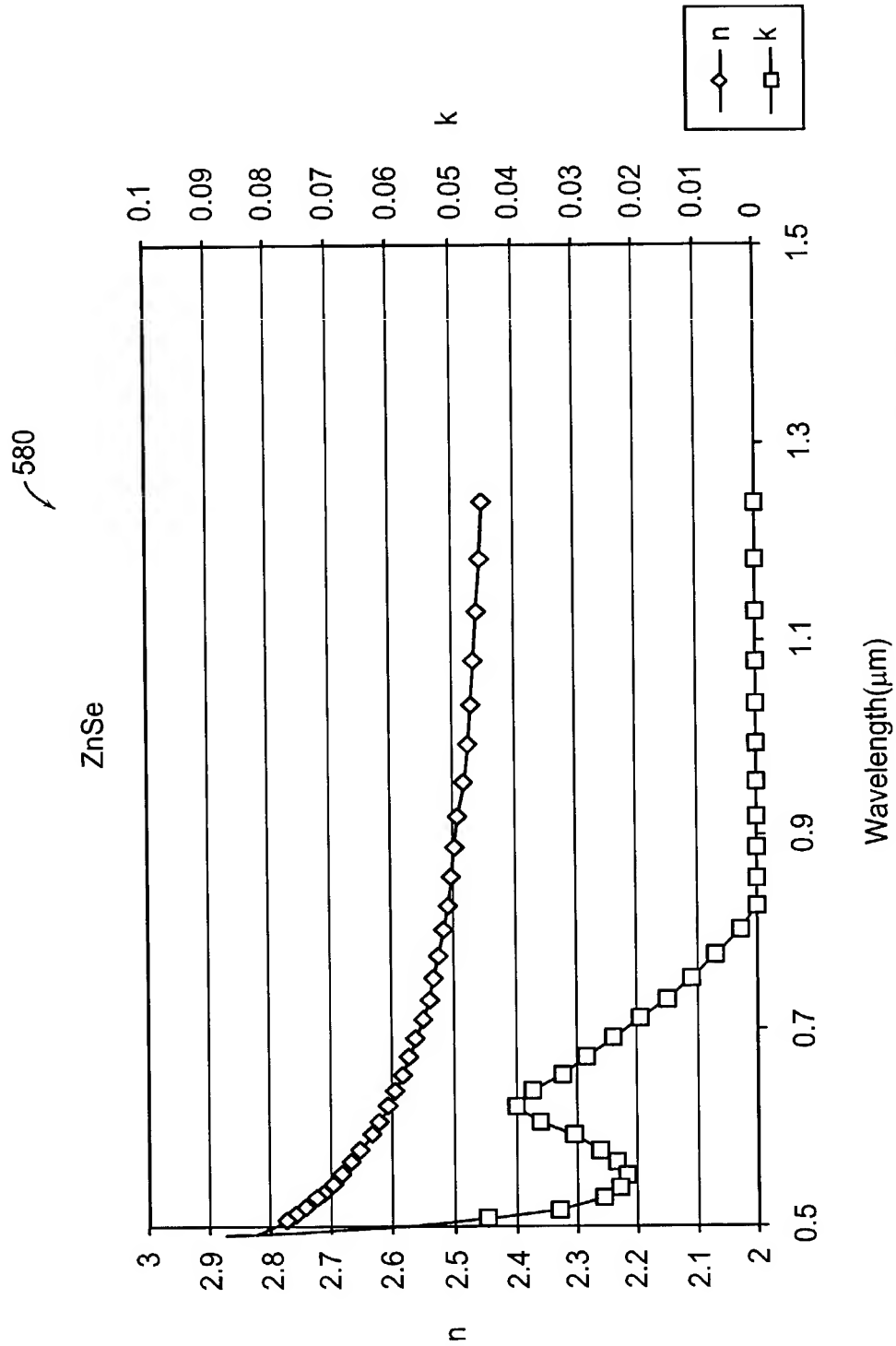


FIG. 39

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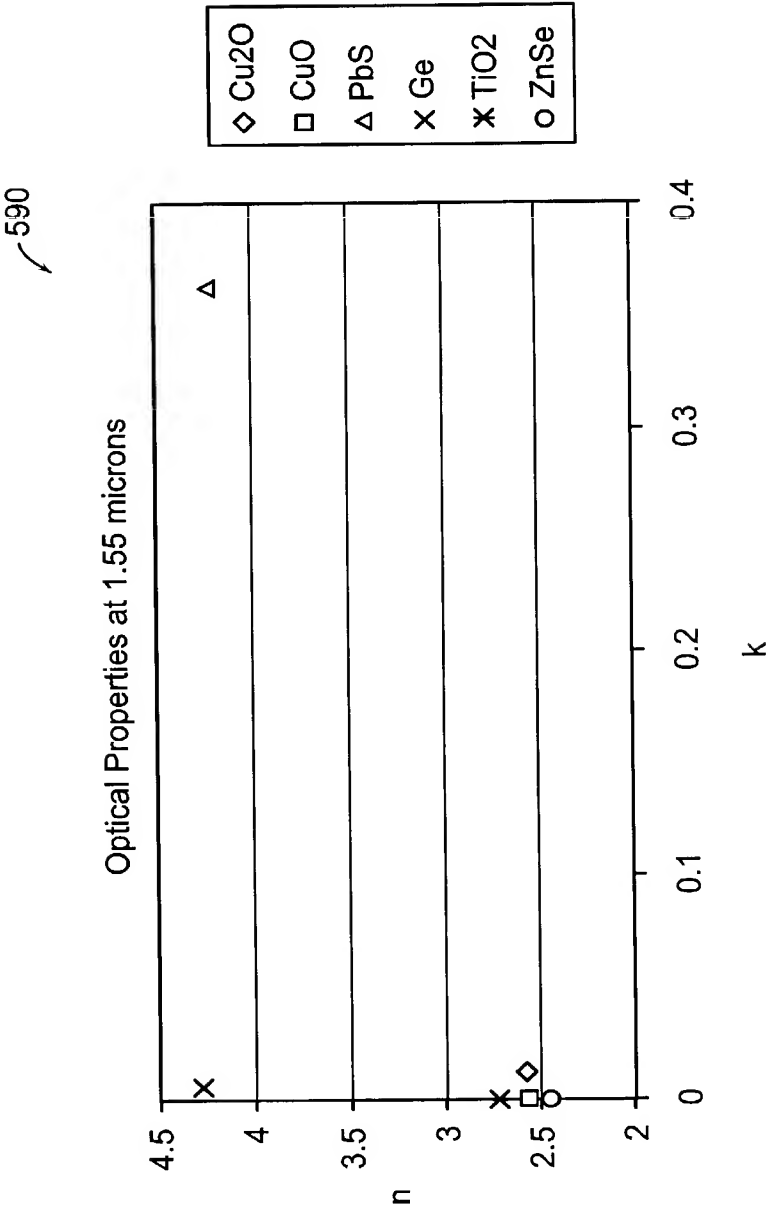


FIG. 40

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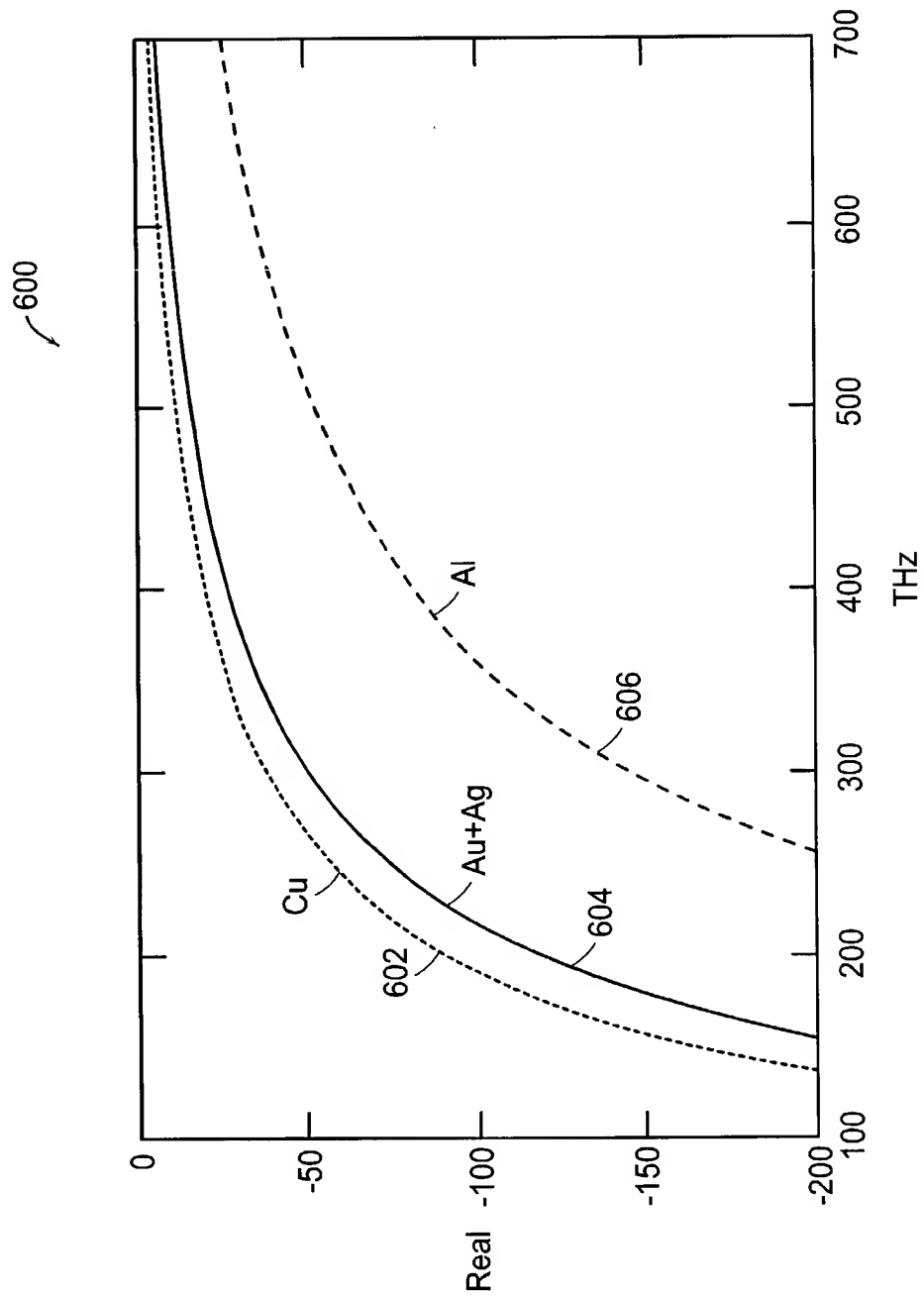
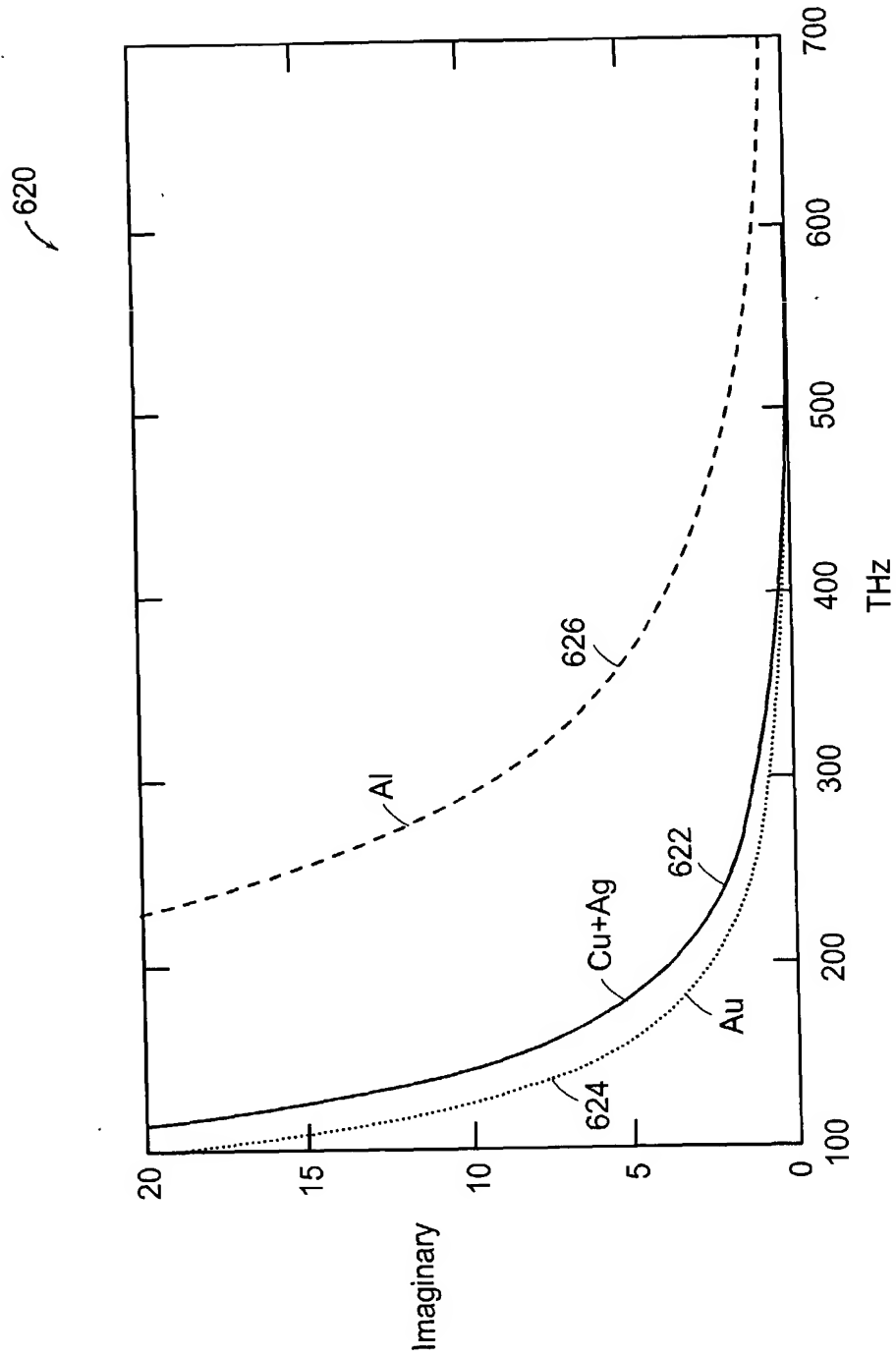


FIG. 41A

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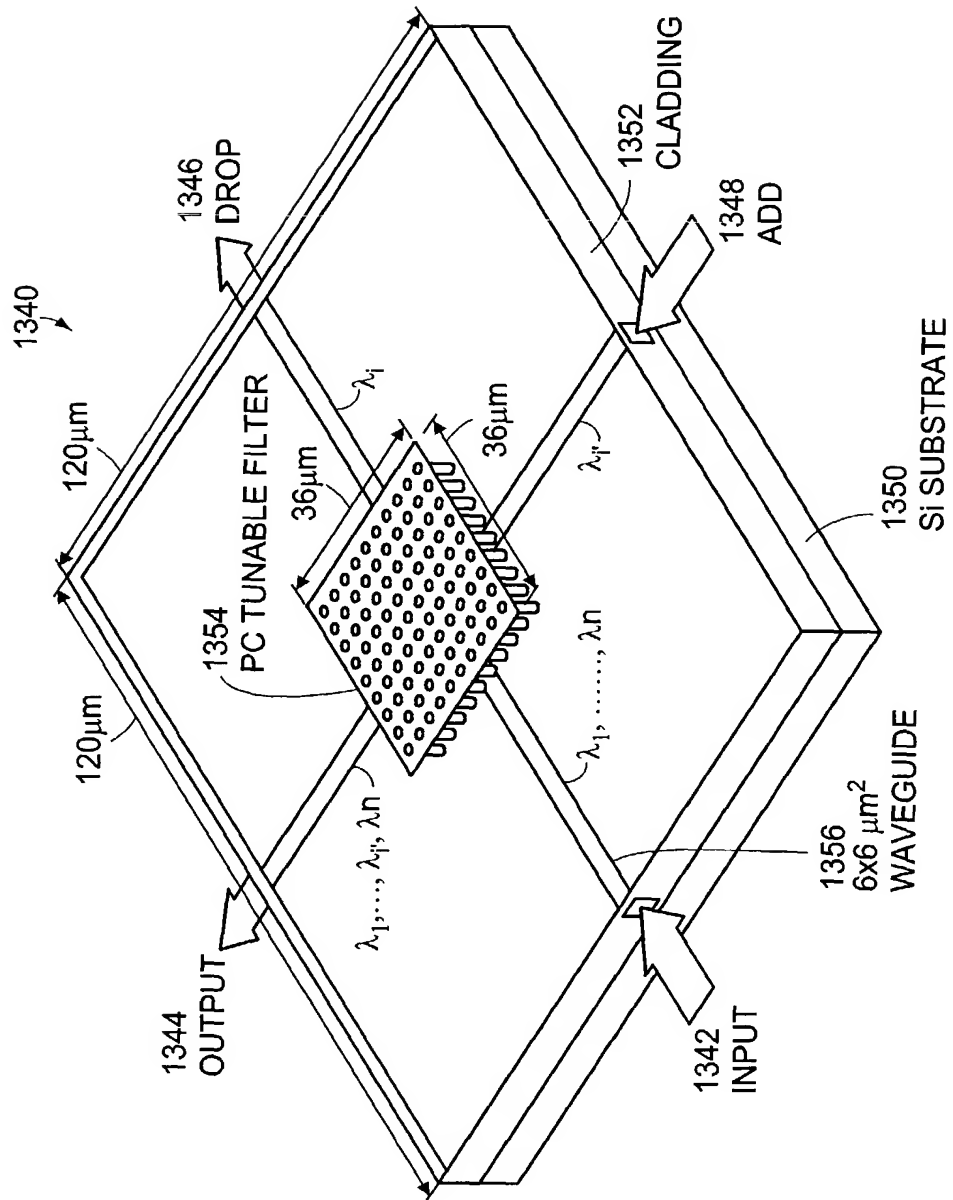


FIG. 42A

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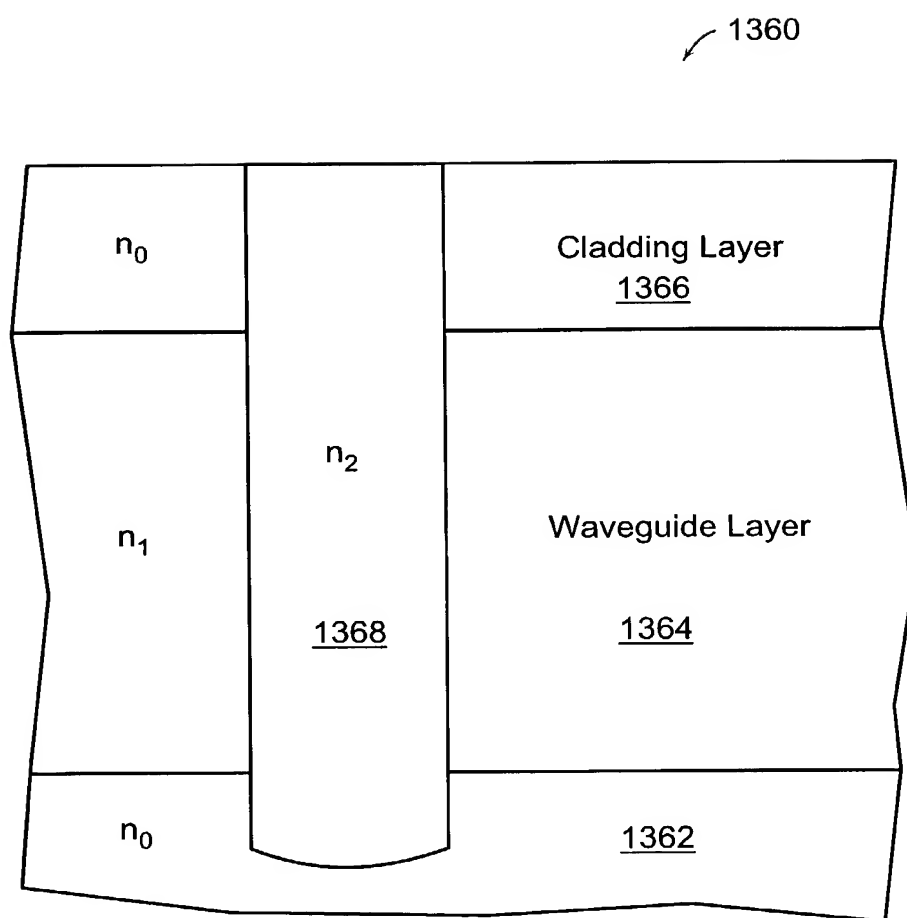


FIG. 42B

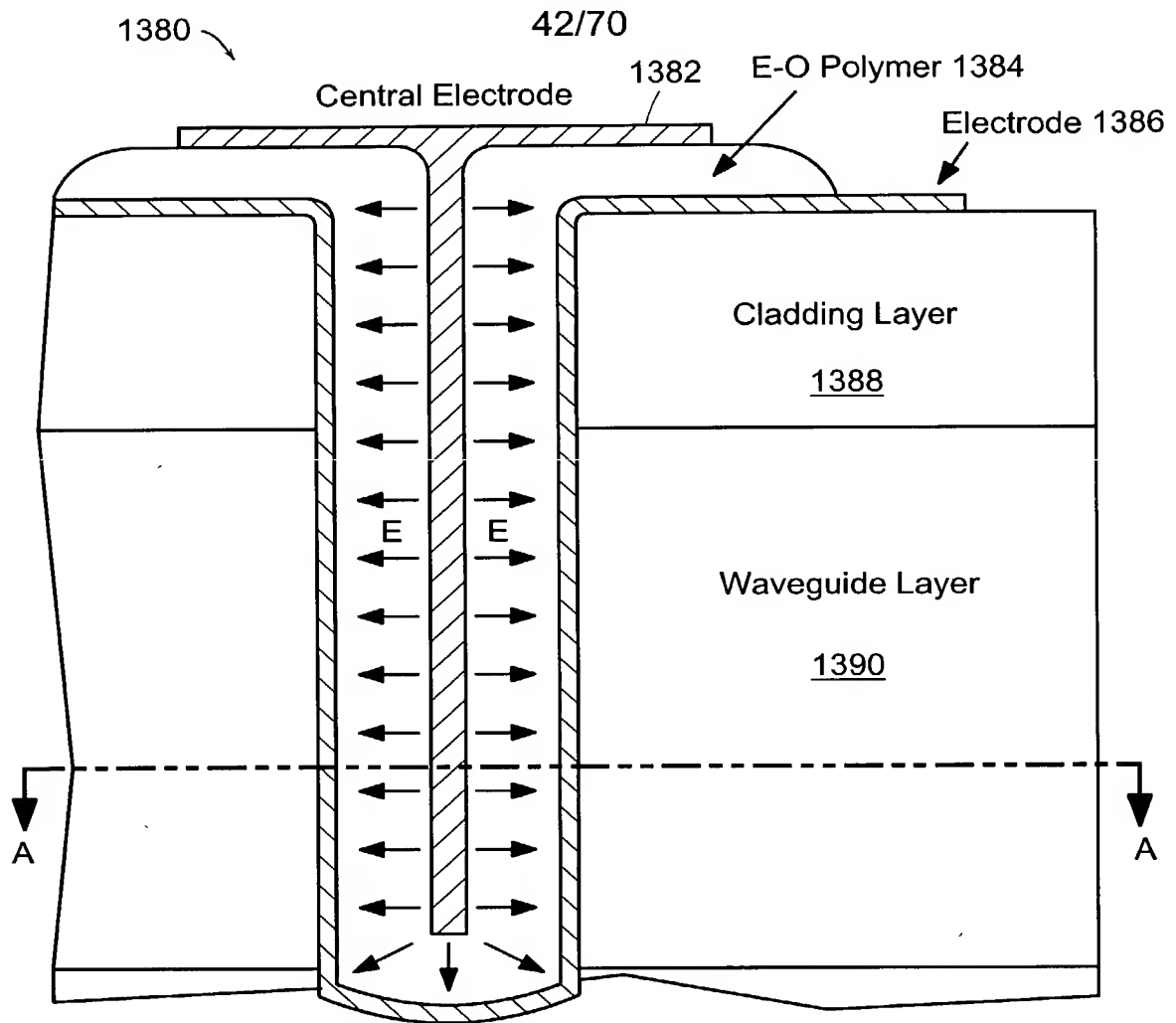


FIG. 42C^b

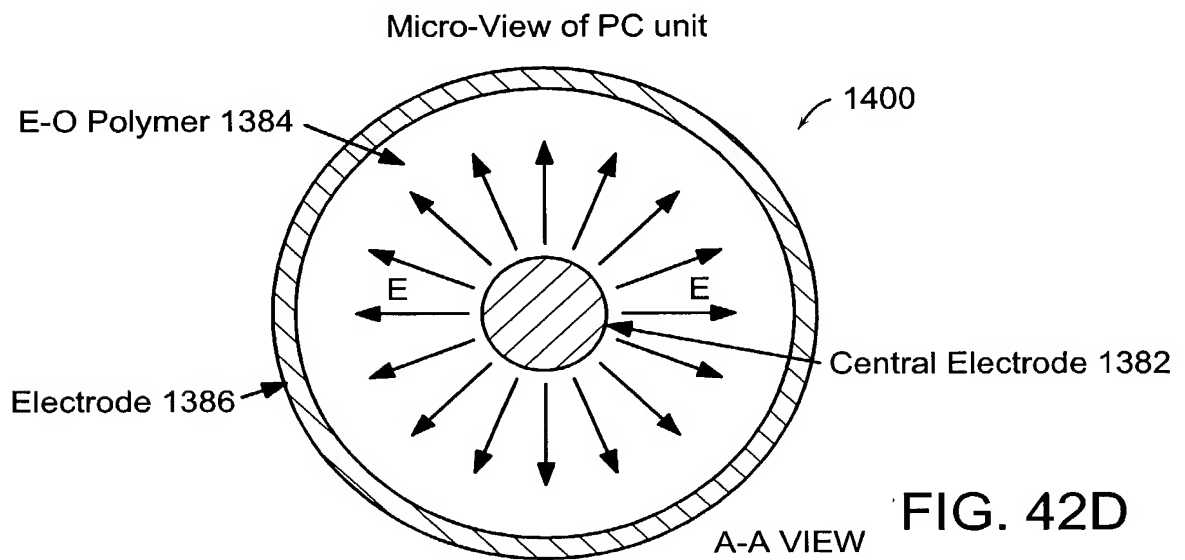
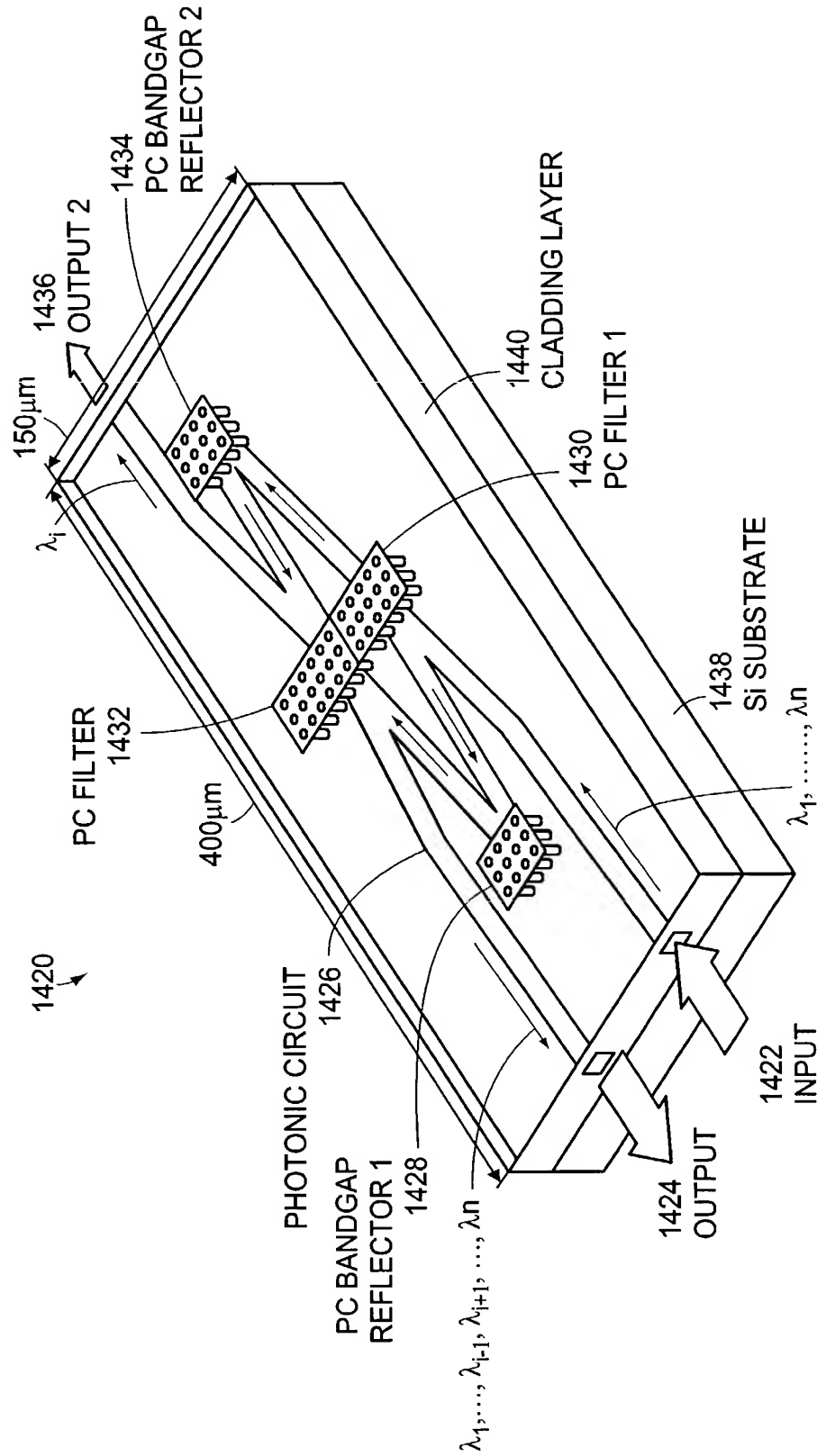


FIG. 42D

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TURNTABLE FILTER USING 2D-PC

FIG. 43A

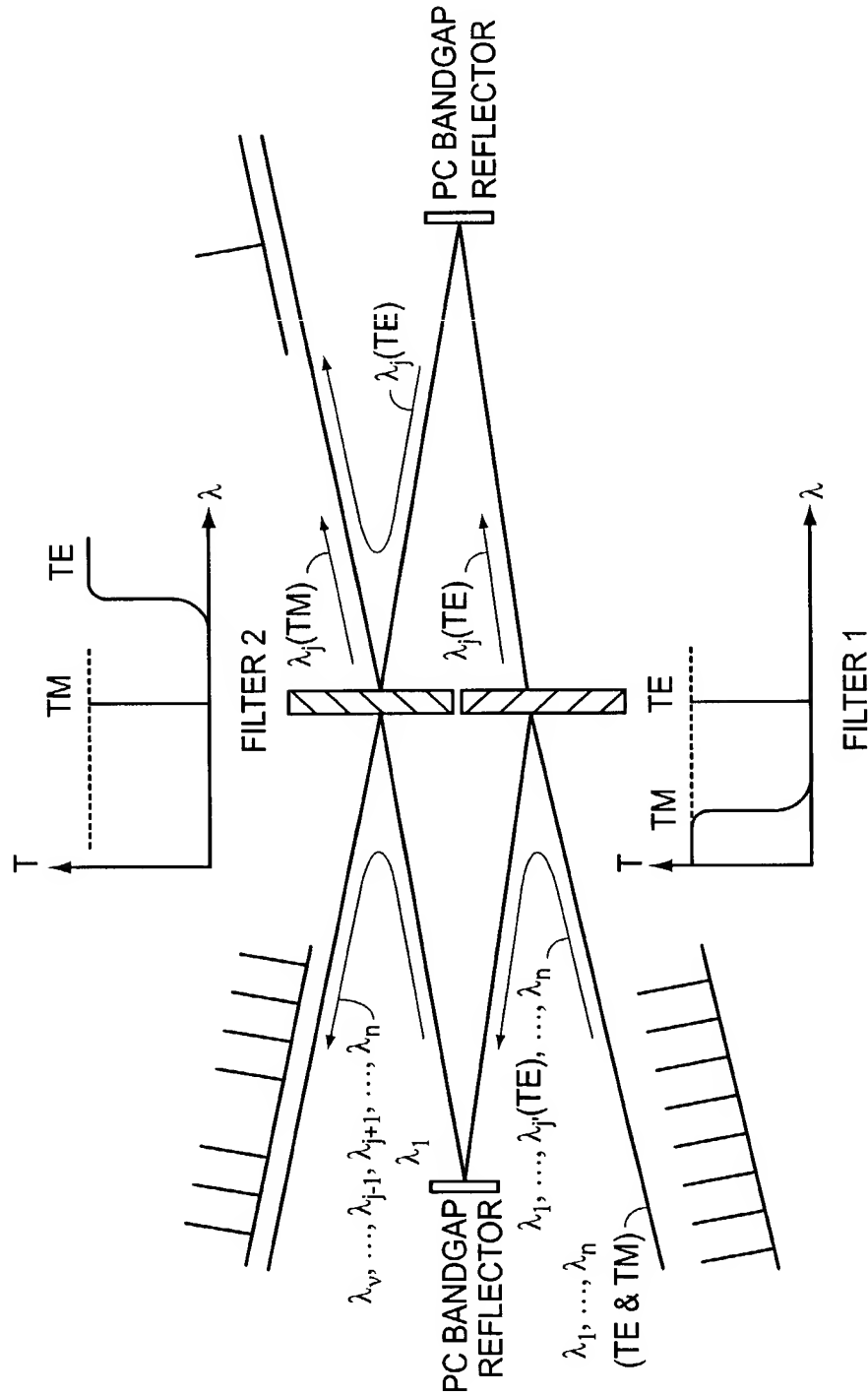
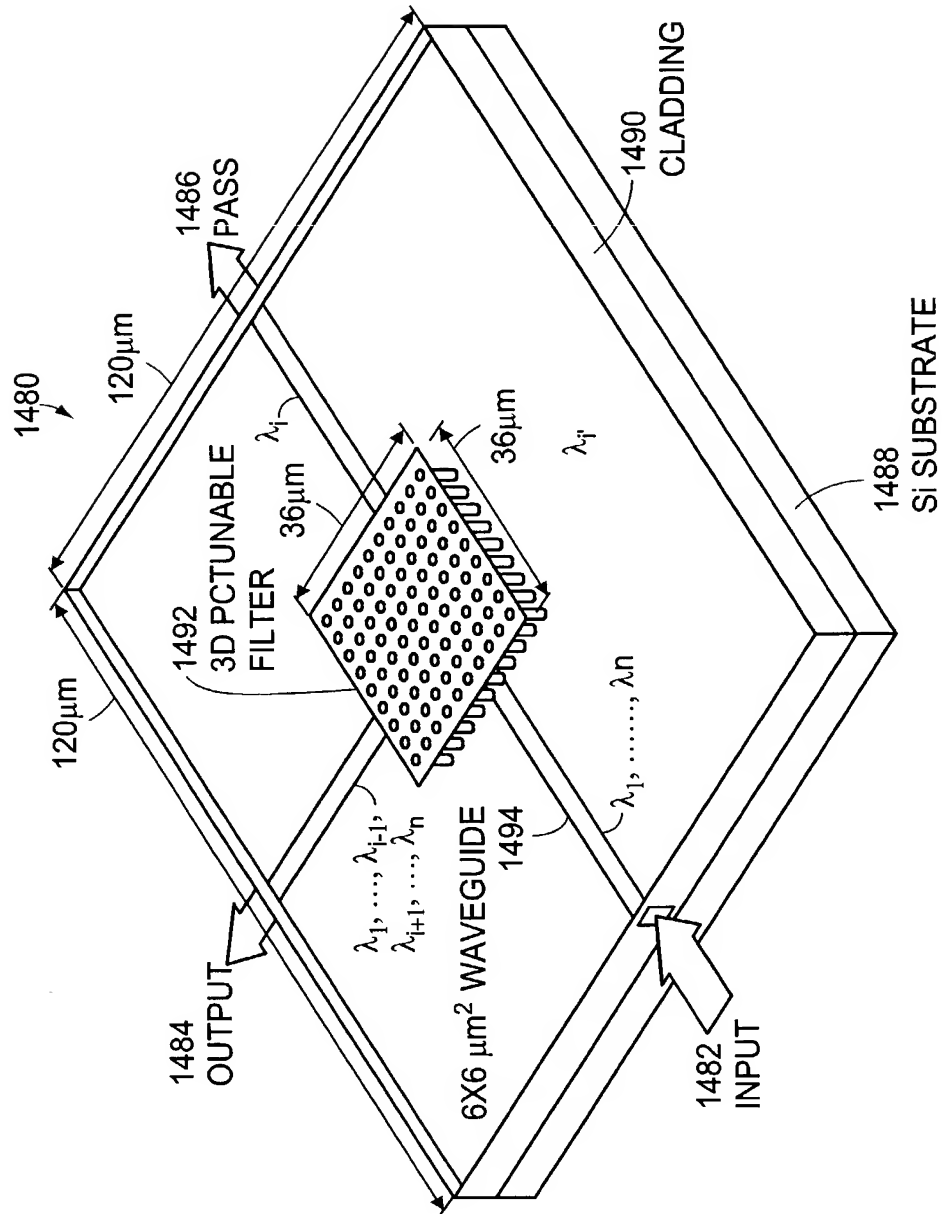


FIG. 43B

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3D PC-TUNABLE FILTER

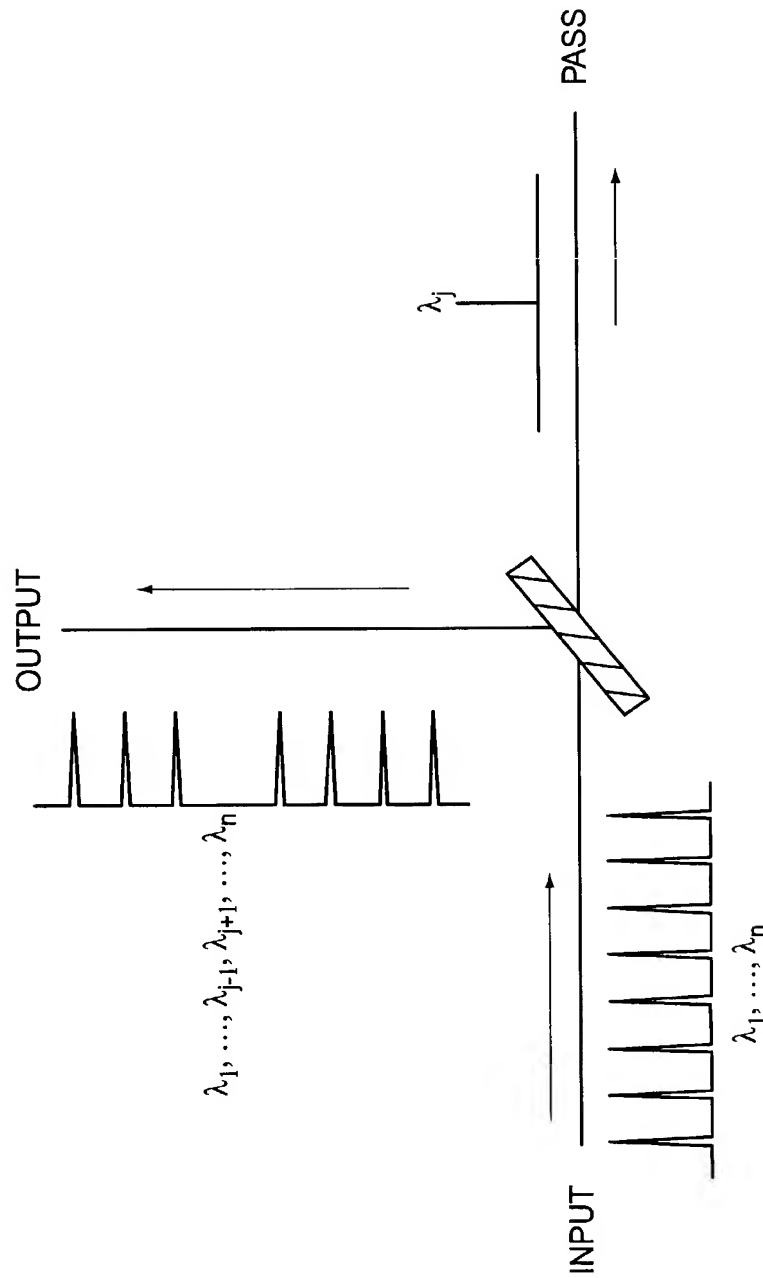


FIG. 44B

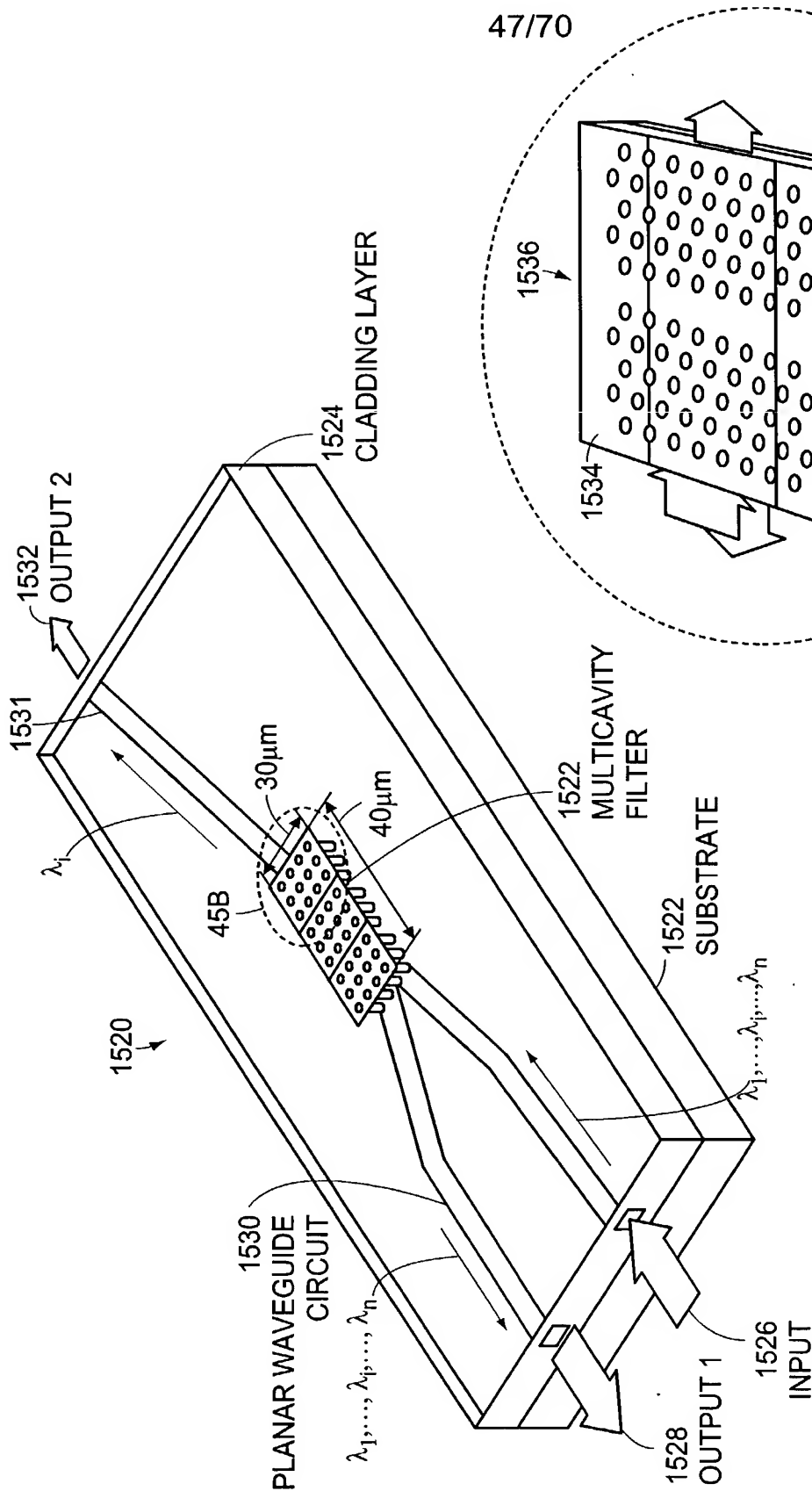


FIG. 45A

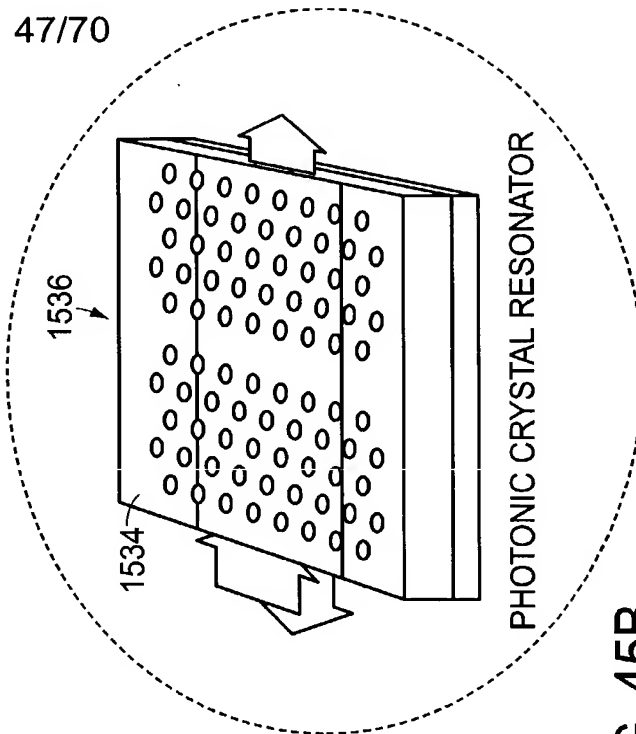


FIG. 45B

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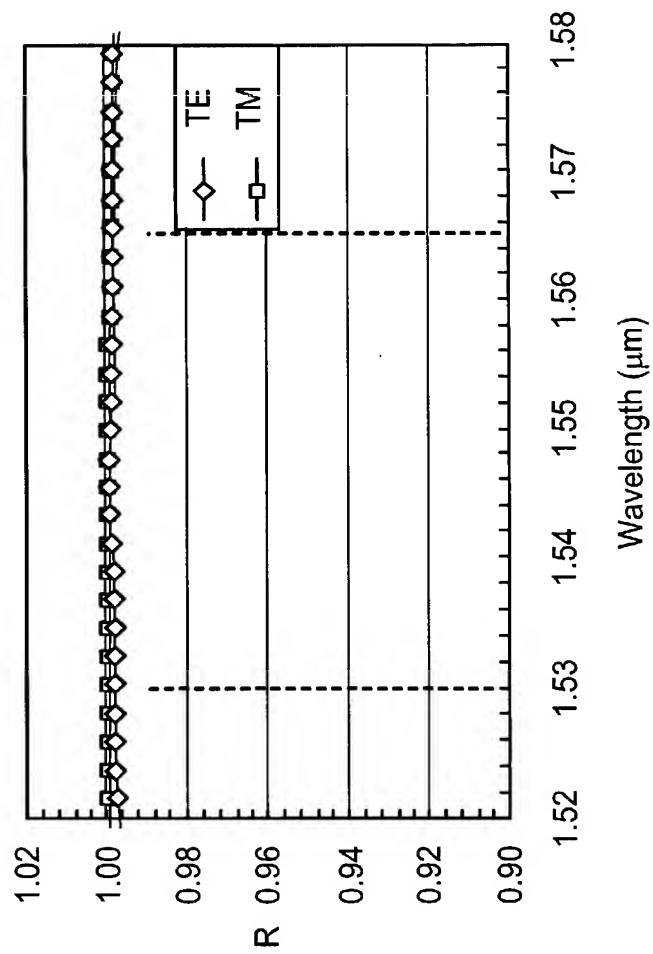


FIG. 45C

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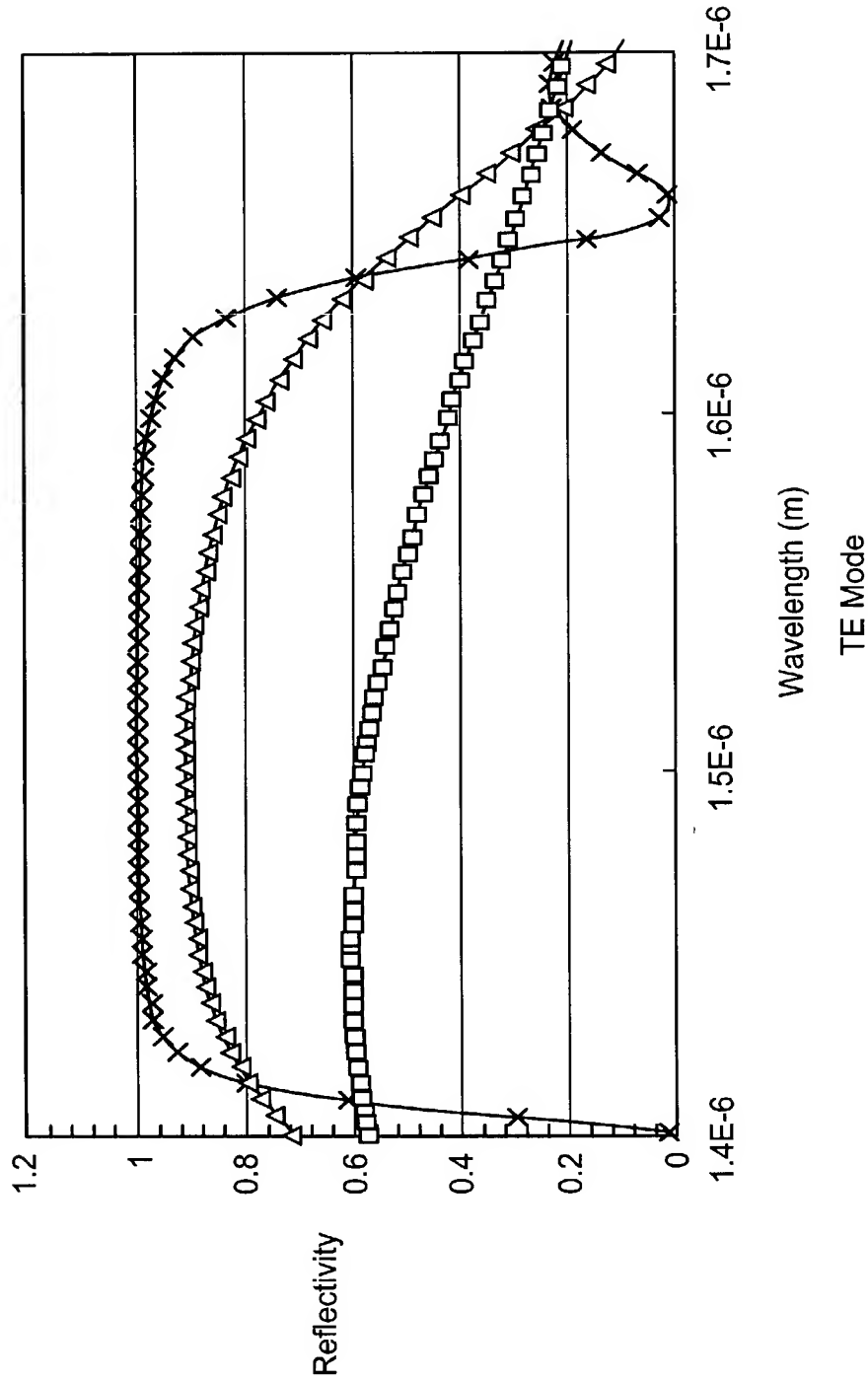


FIG. 46A

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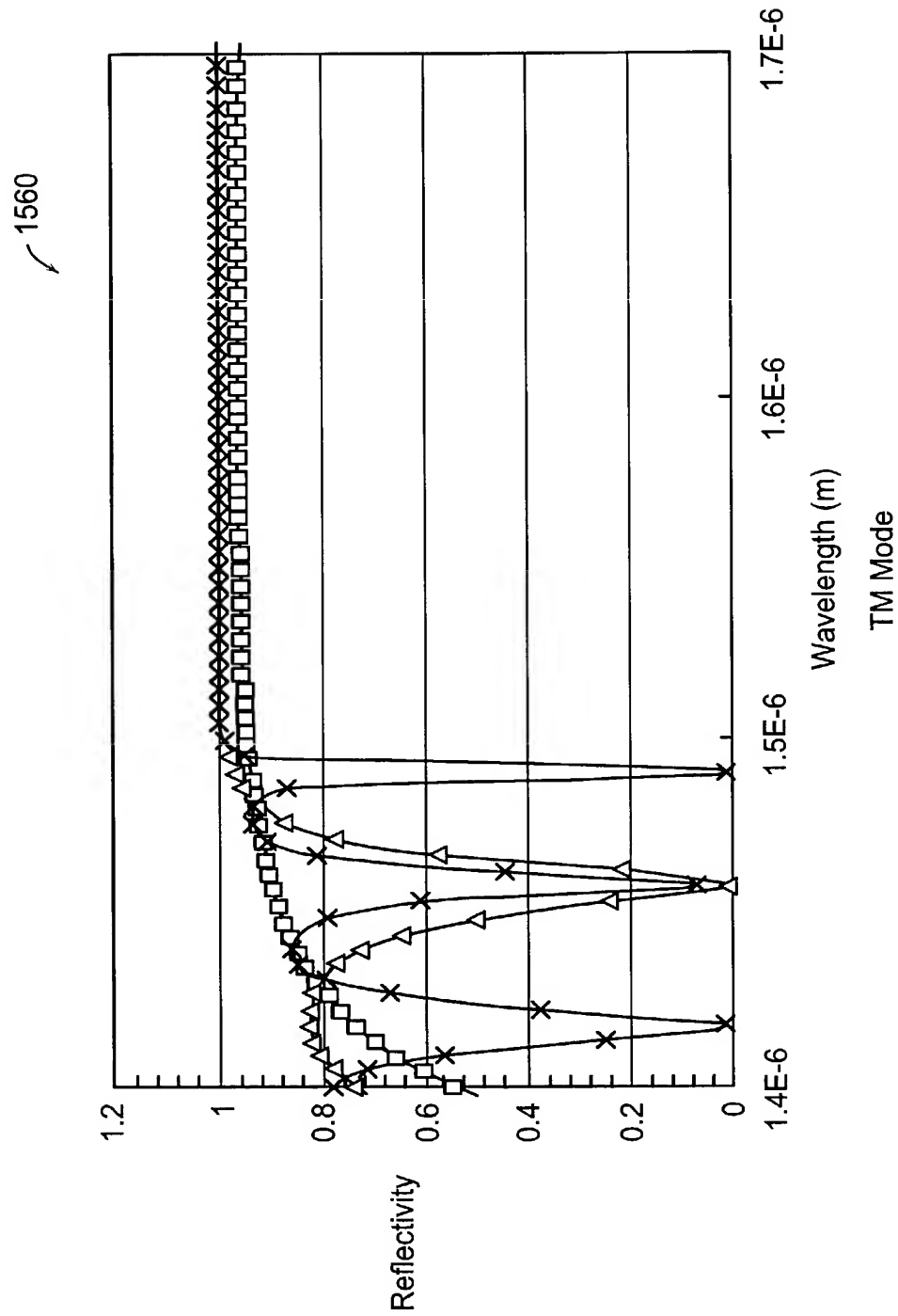


FIG. 46B

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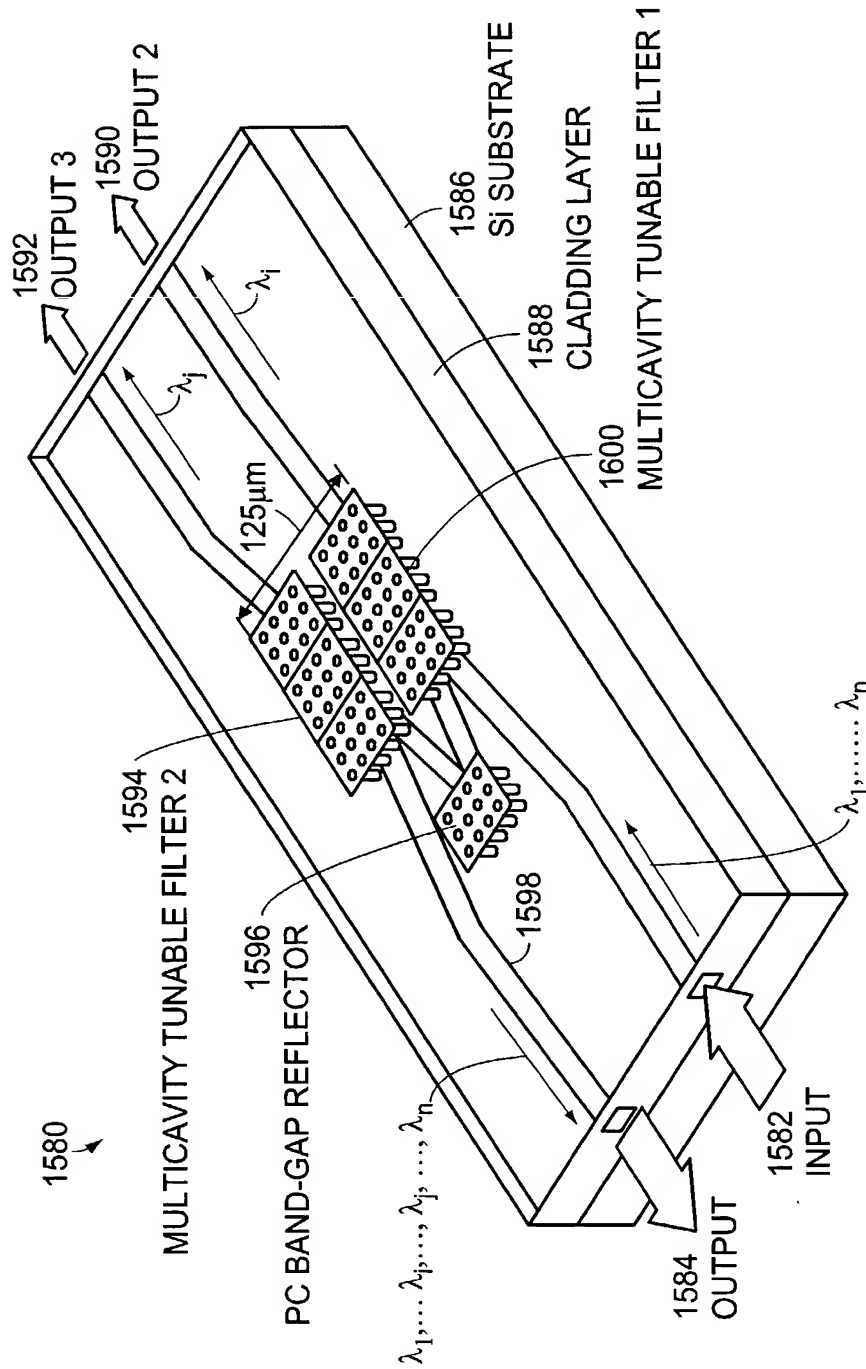


FIG. 47

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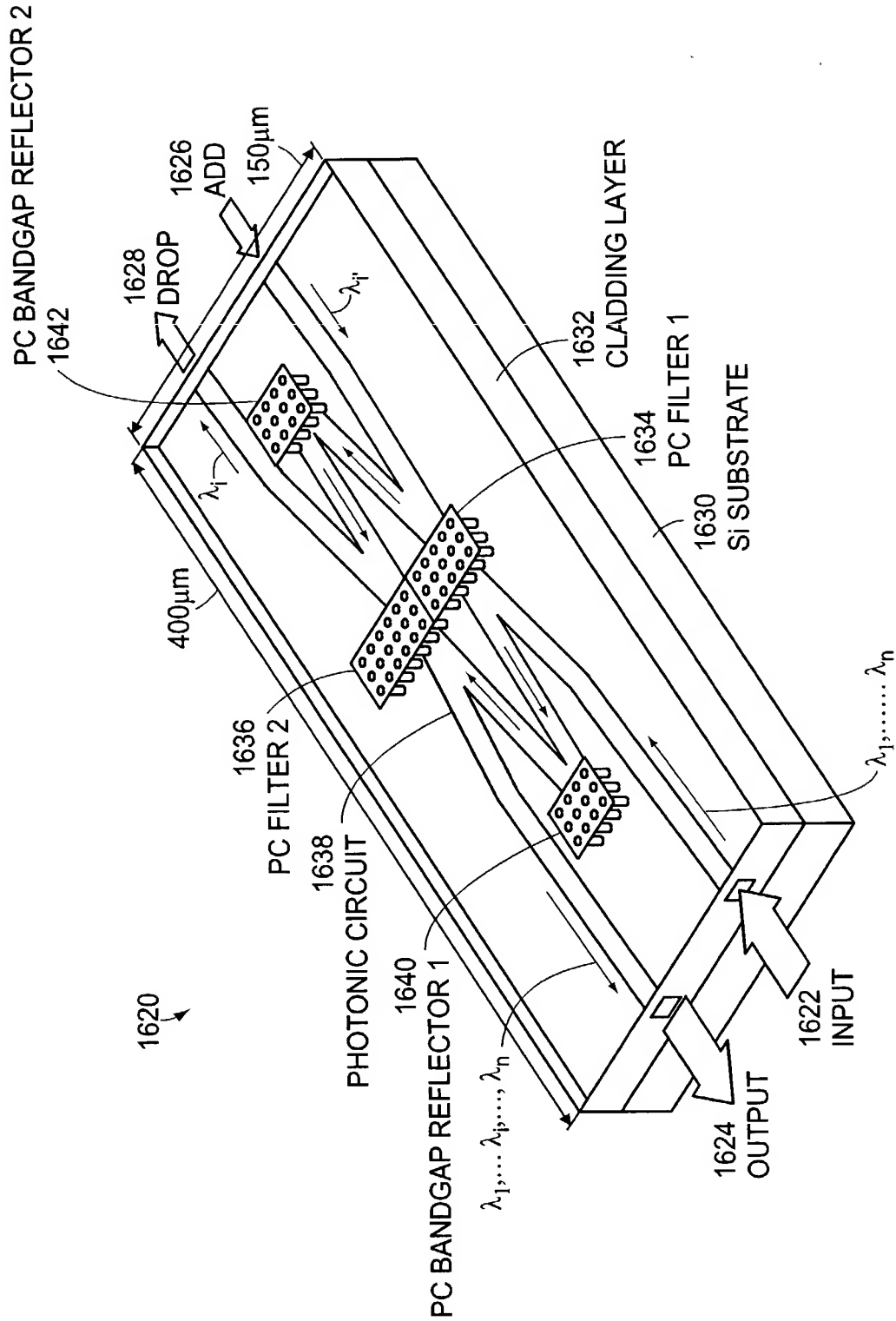


FIG. 48A

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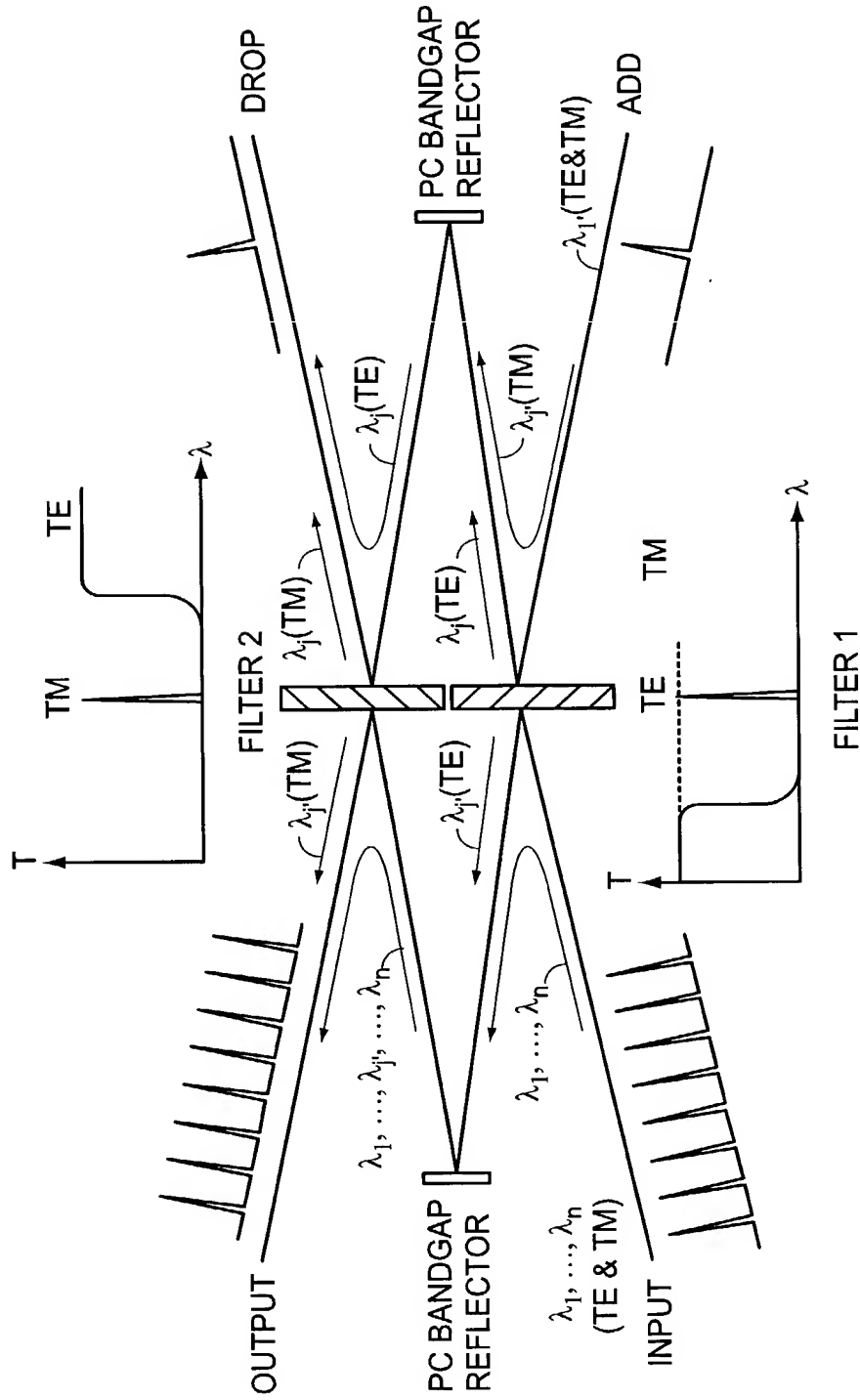


FIG. 48B

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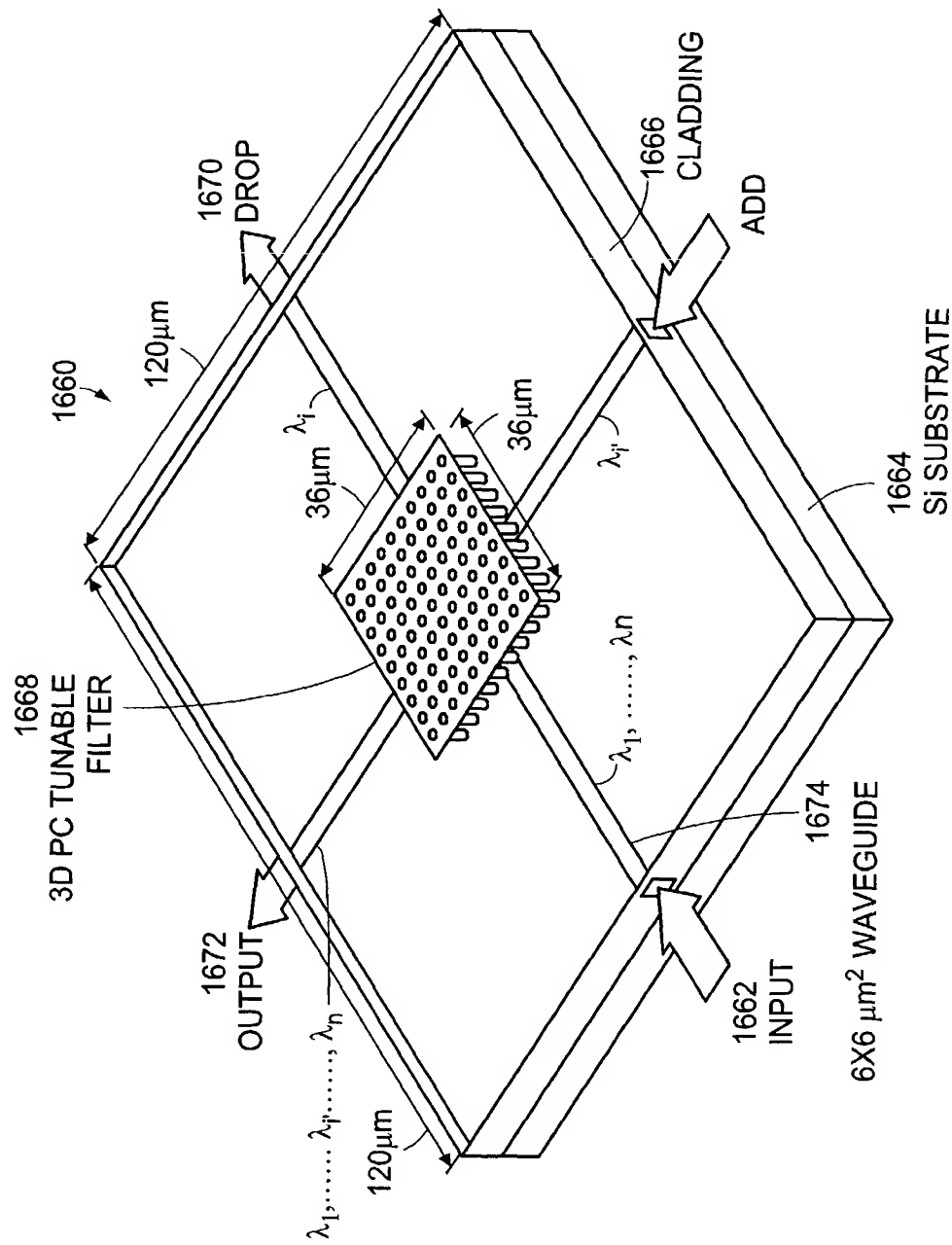


FIG. 49A

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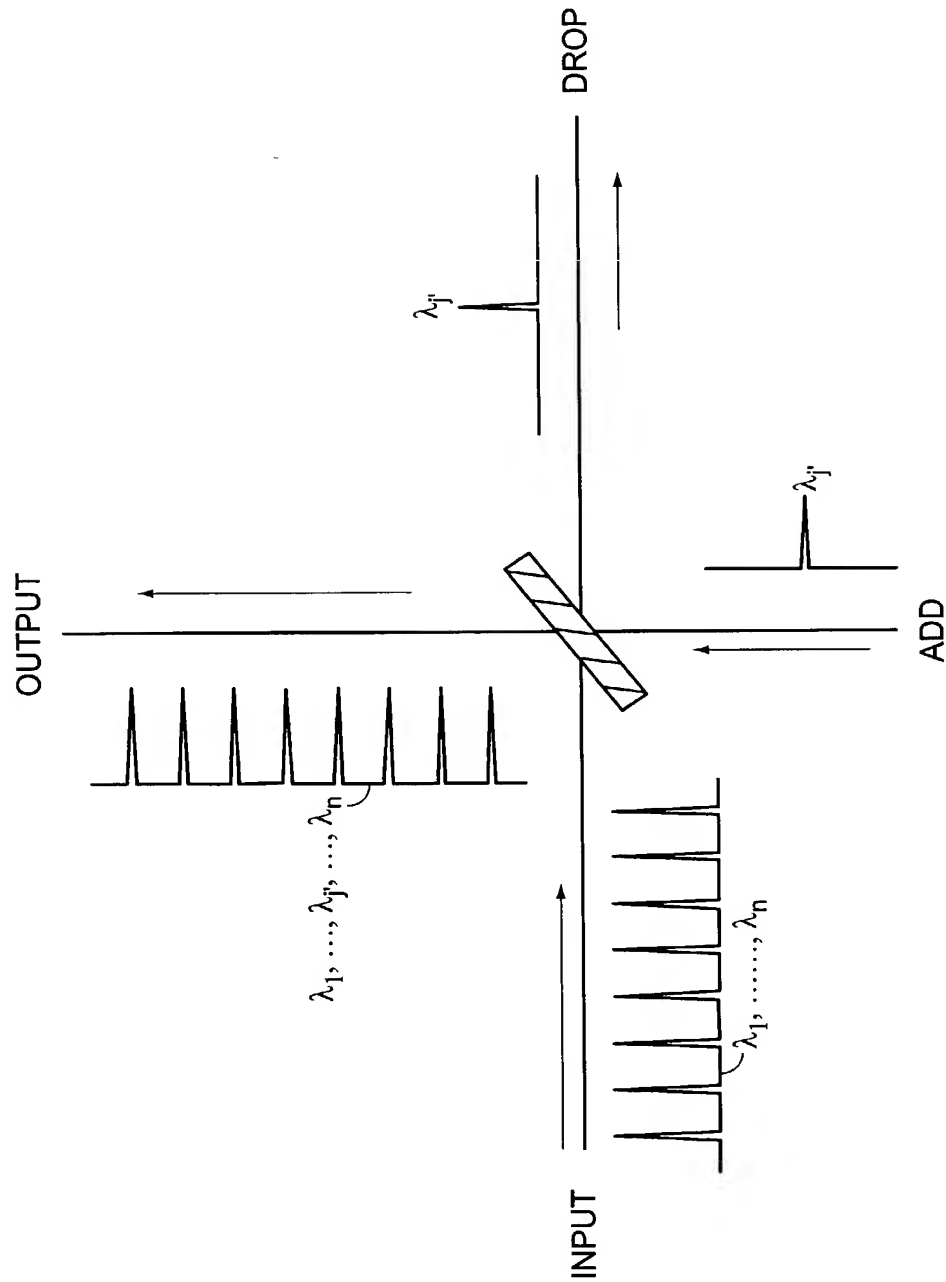


FIG. 49B

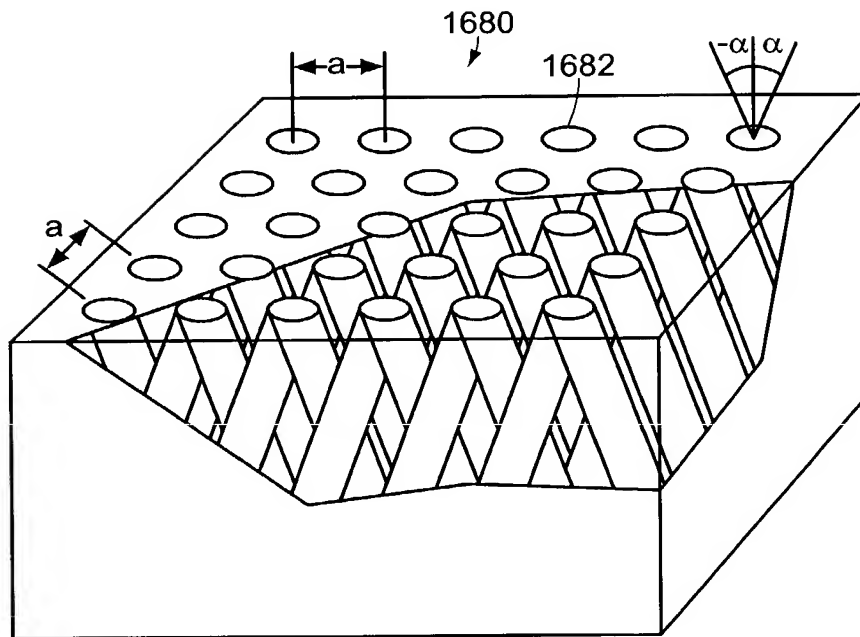


FIG. 49C

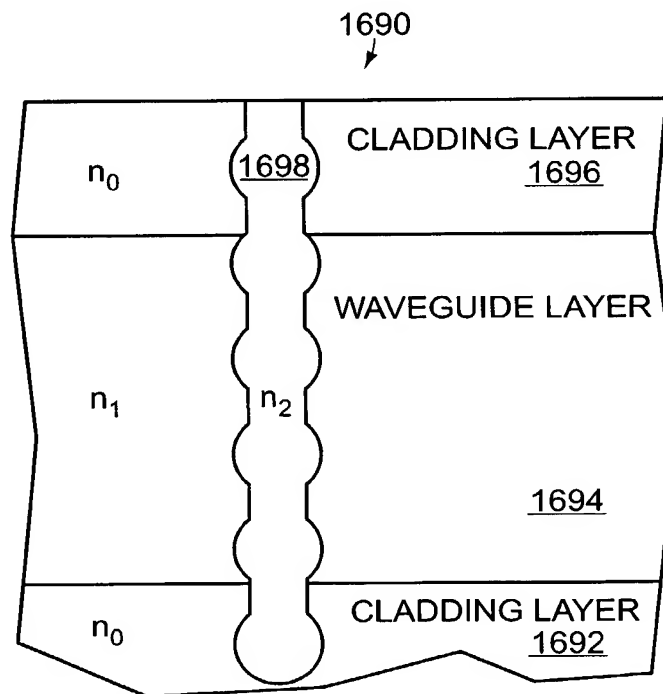


FIG. 49D

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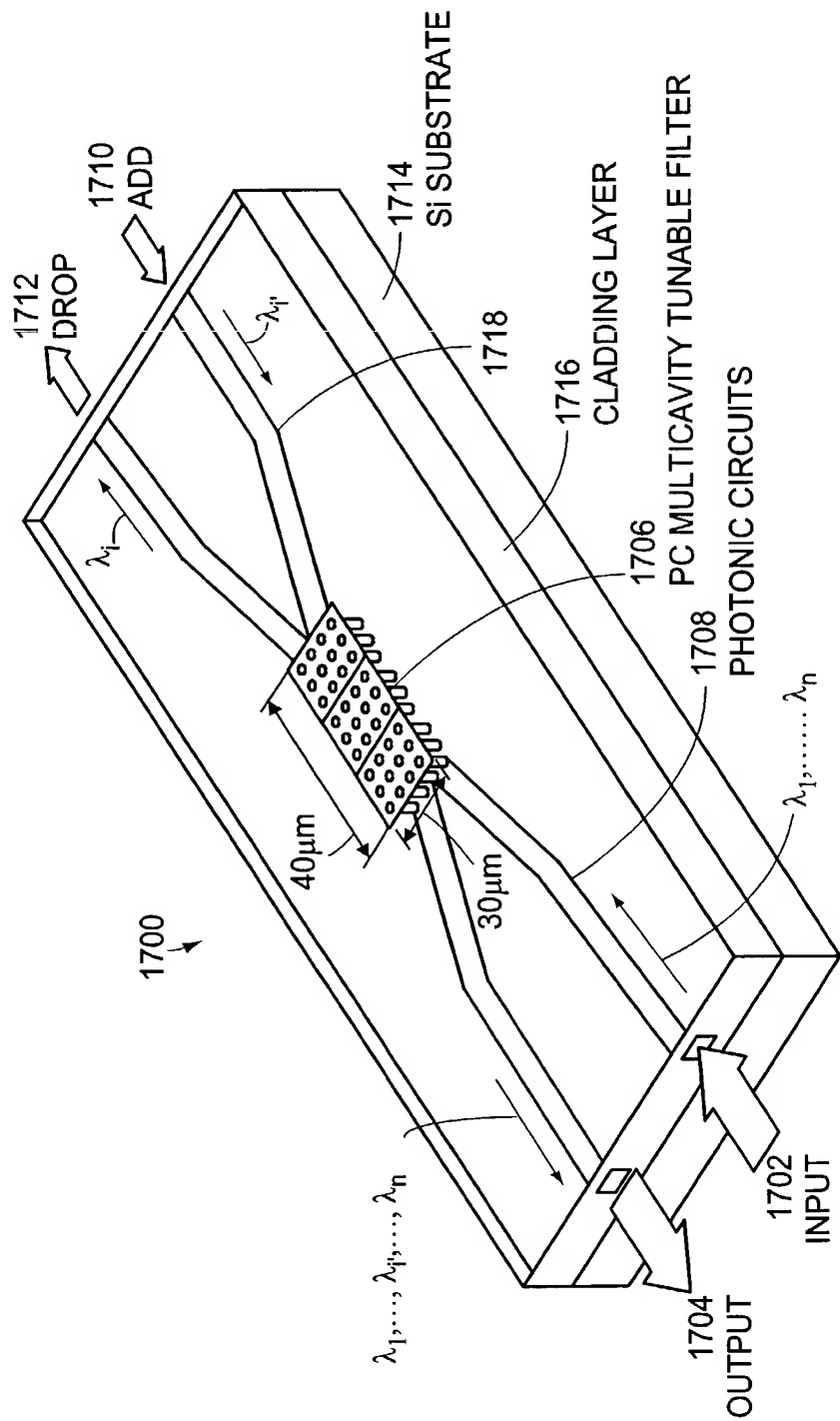
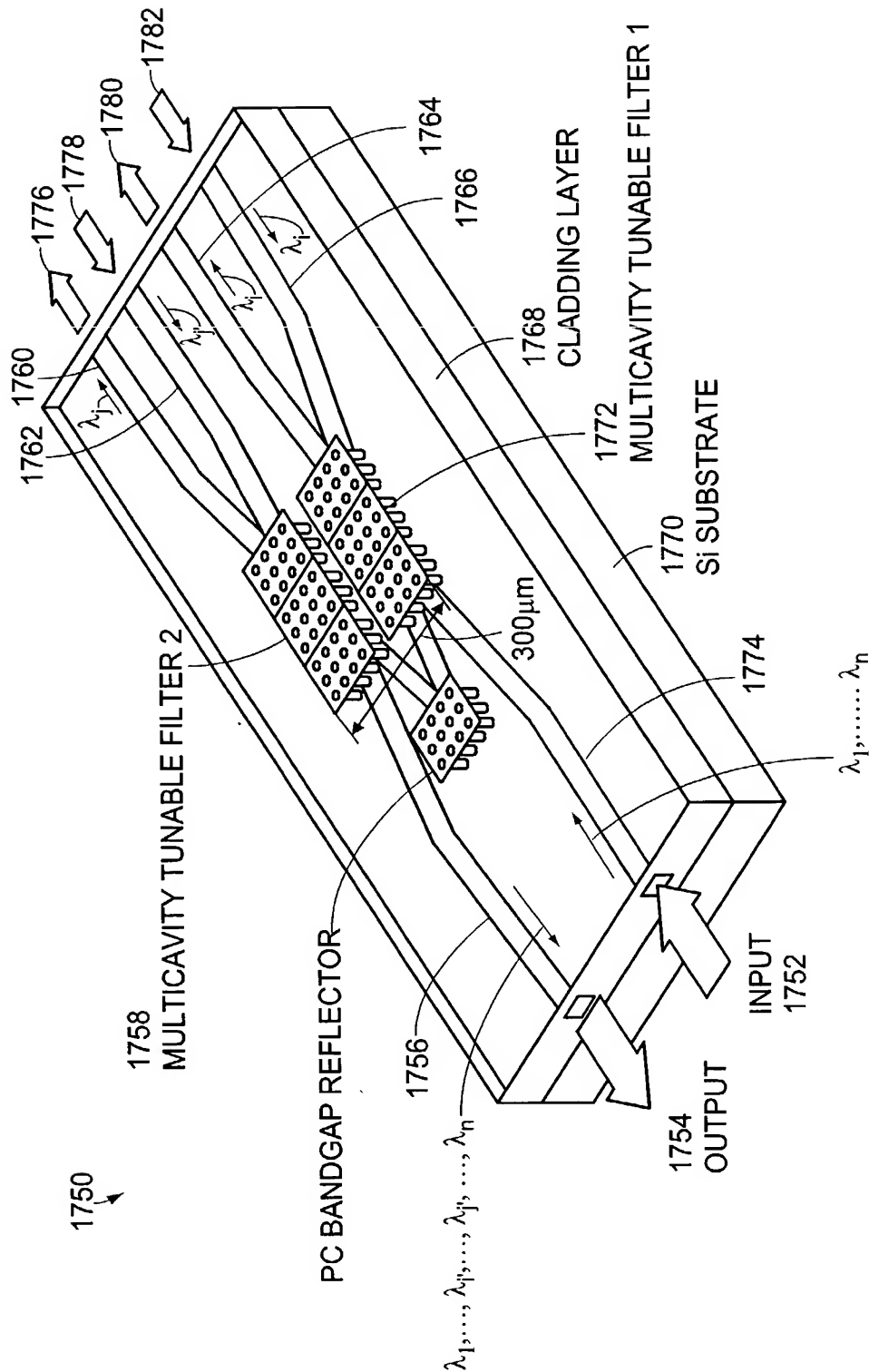


FIG. 50



DUAL-WAVELENGTH DYNAMIC OADM

FIG. 51

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1800

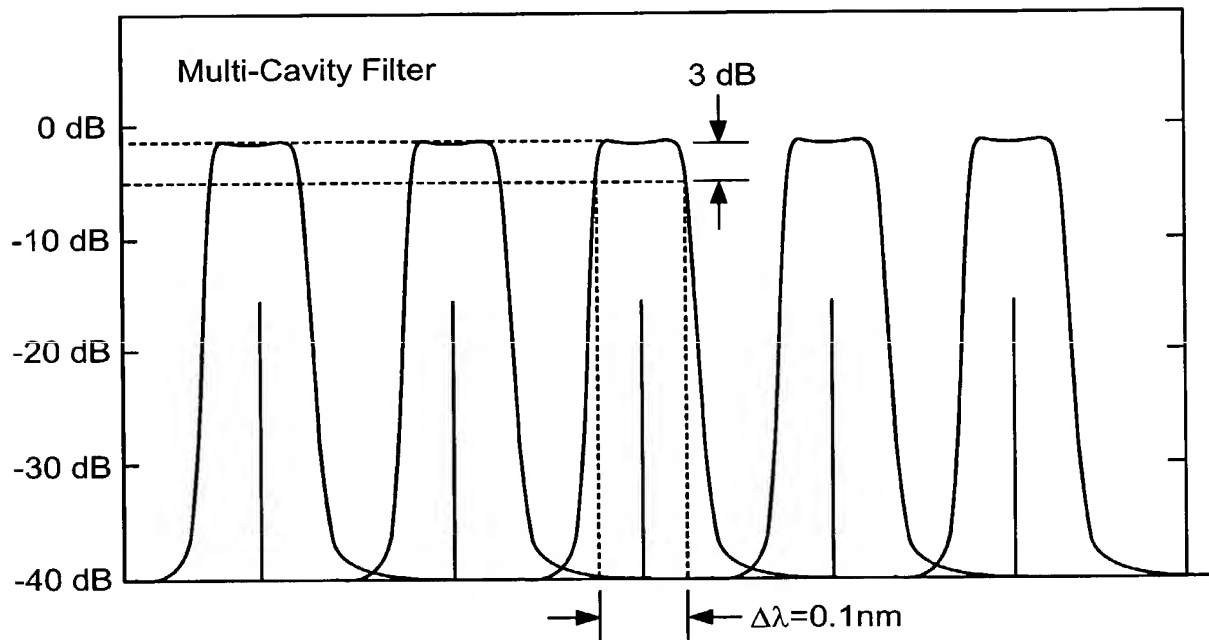


FIG. 52A

1810

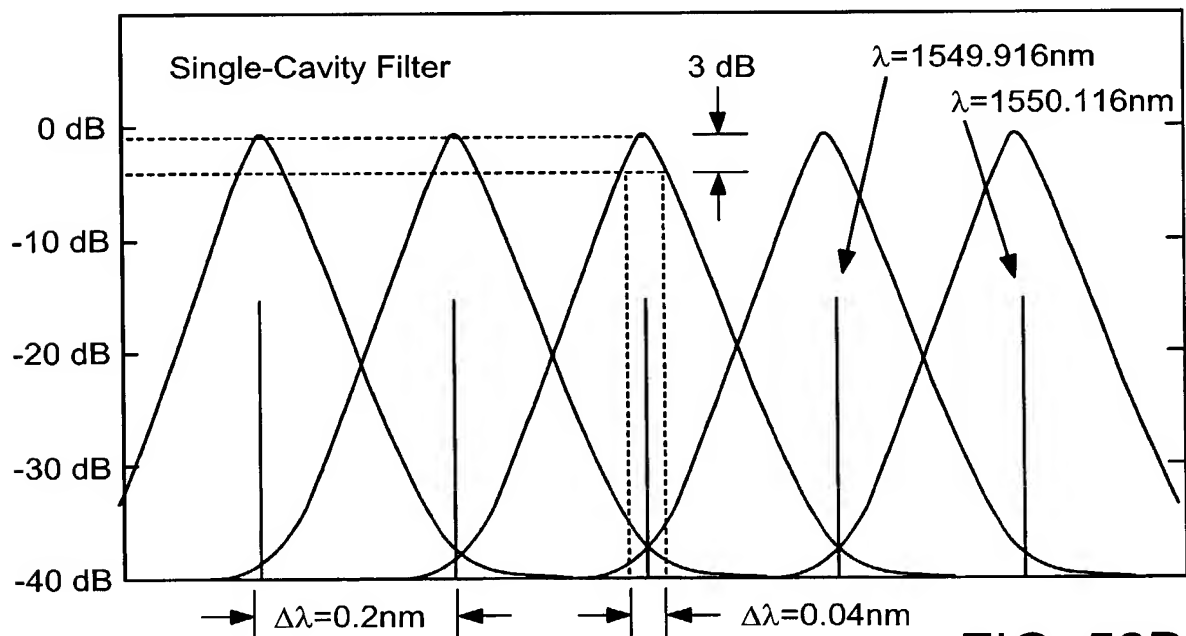


FIG. 52B

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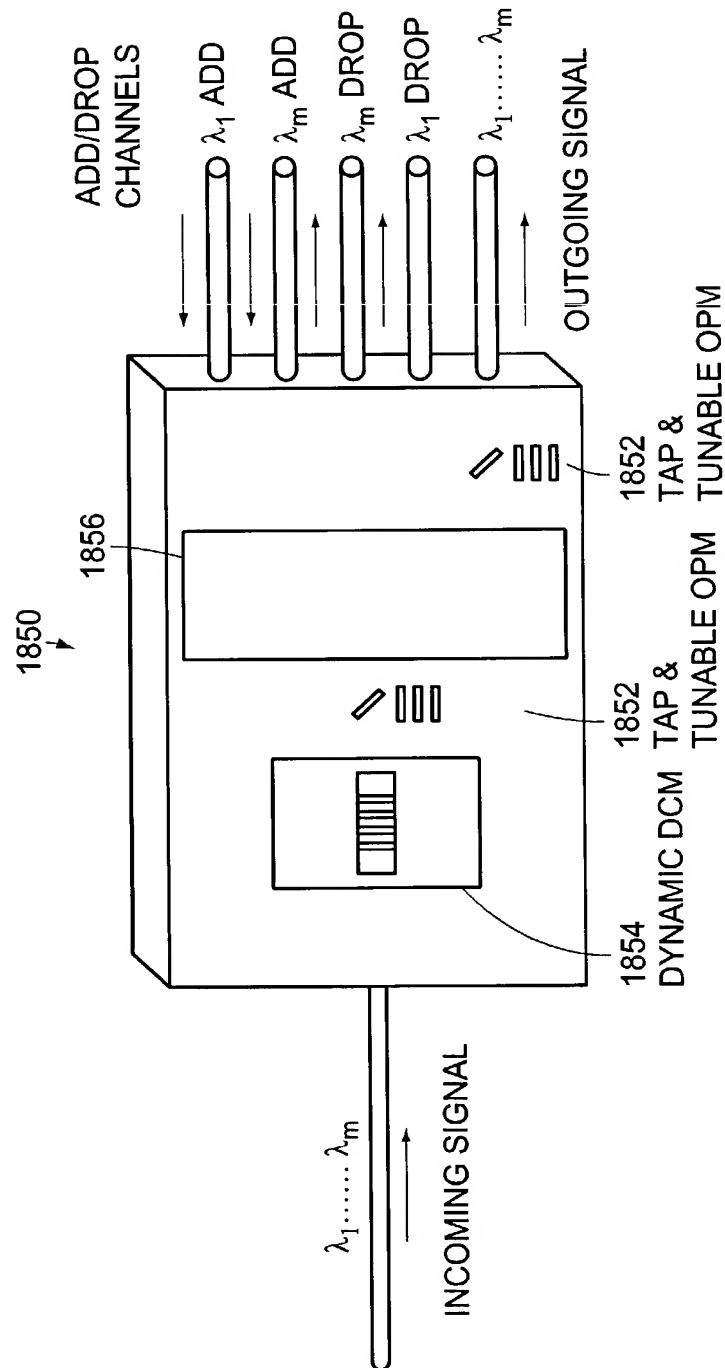


FIG. 53A

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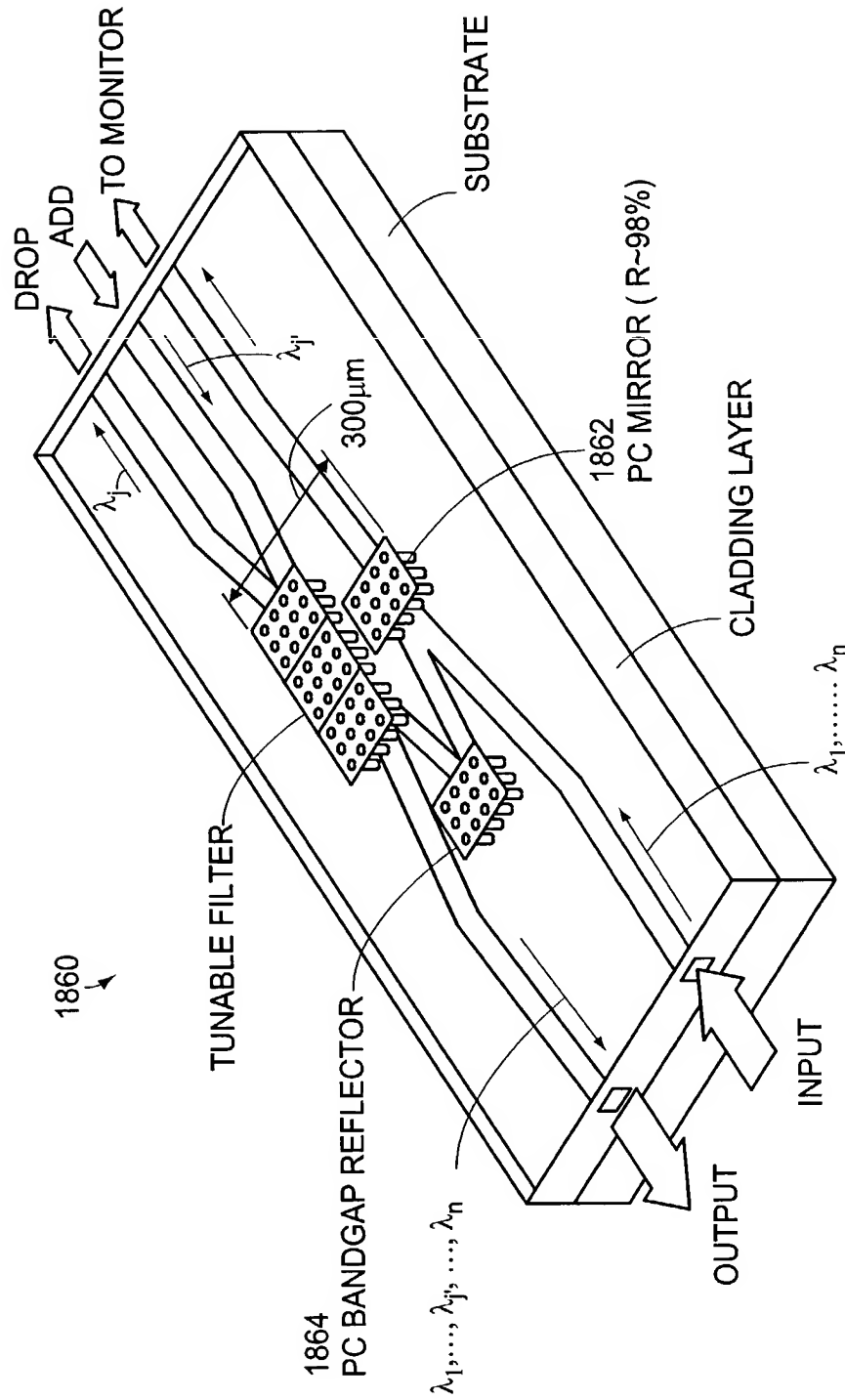


FIG. 53B

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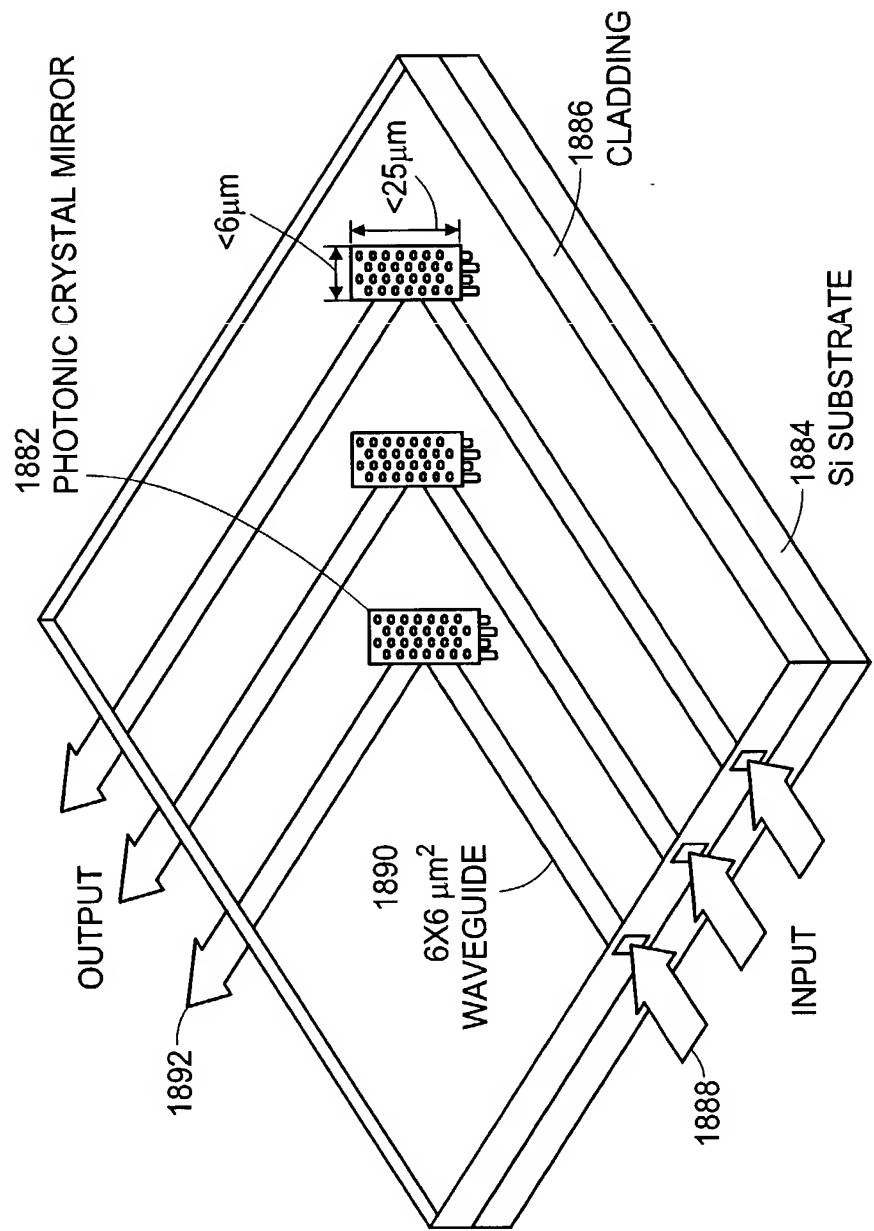


FIG. 54A

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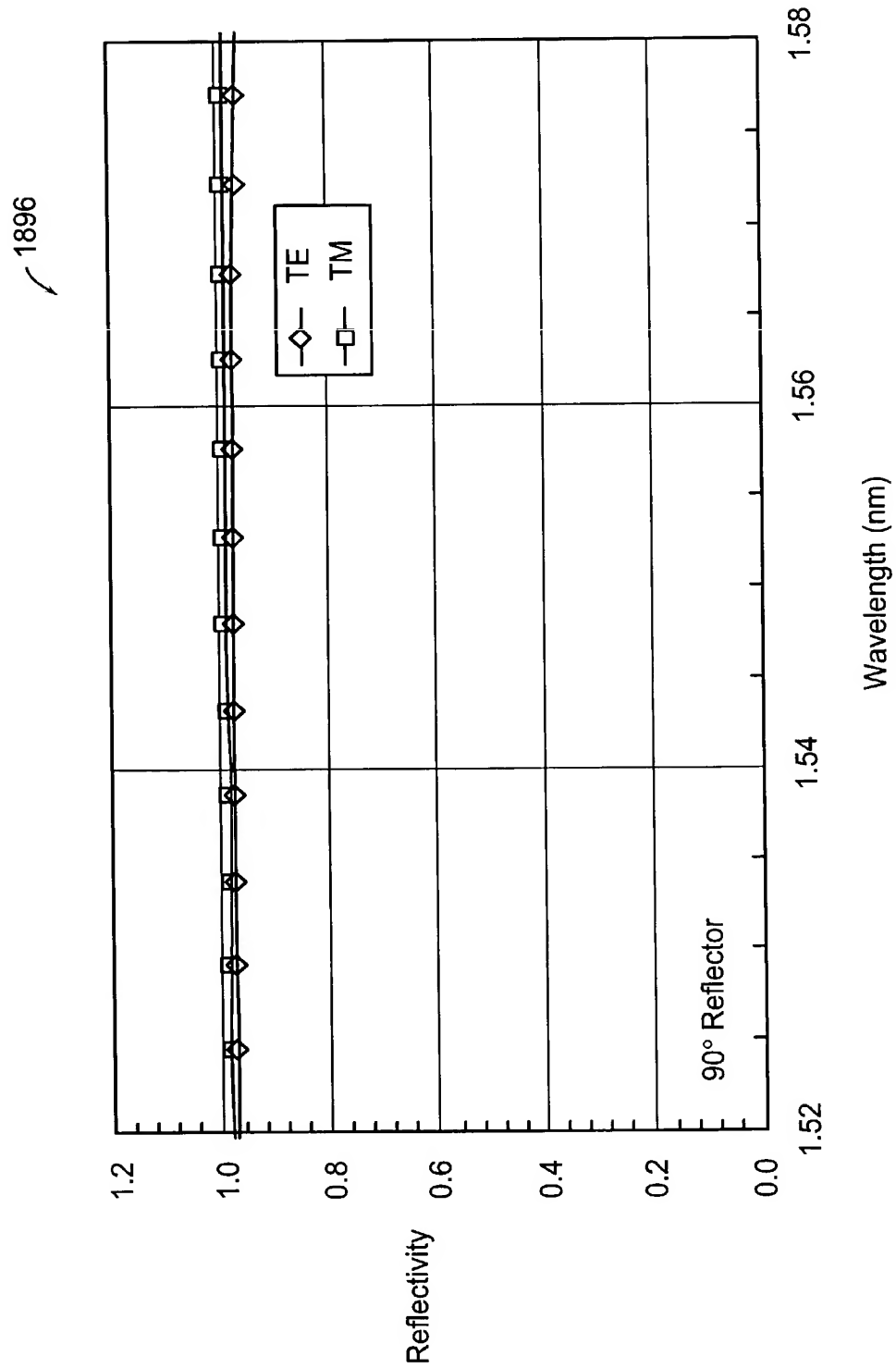
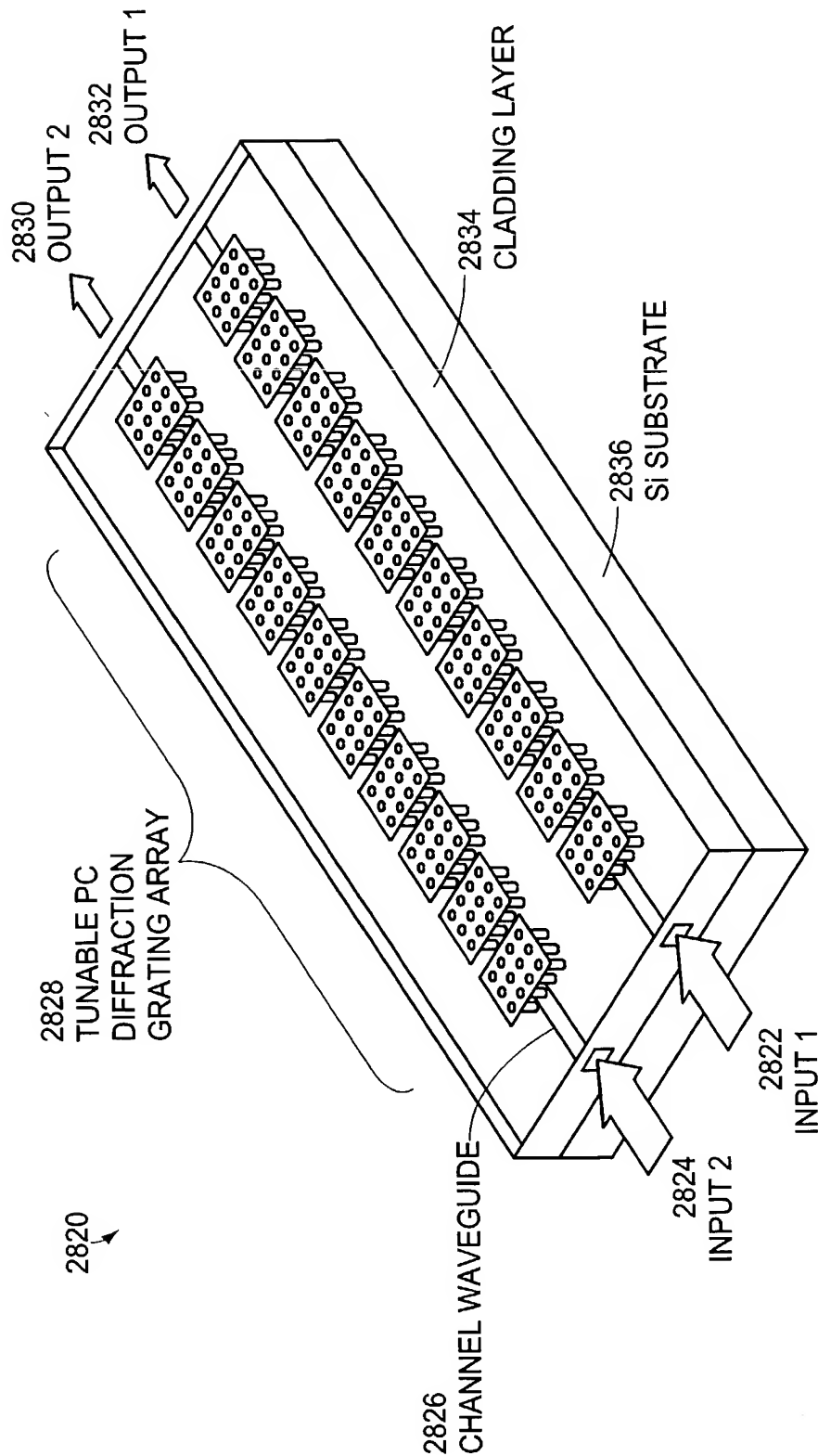


FIG. 54B

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VARIABLE OPTIC ATTENUATION/SPECTRAL EQUALIZER ARRAY

FIG. 55

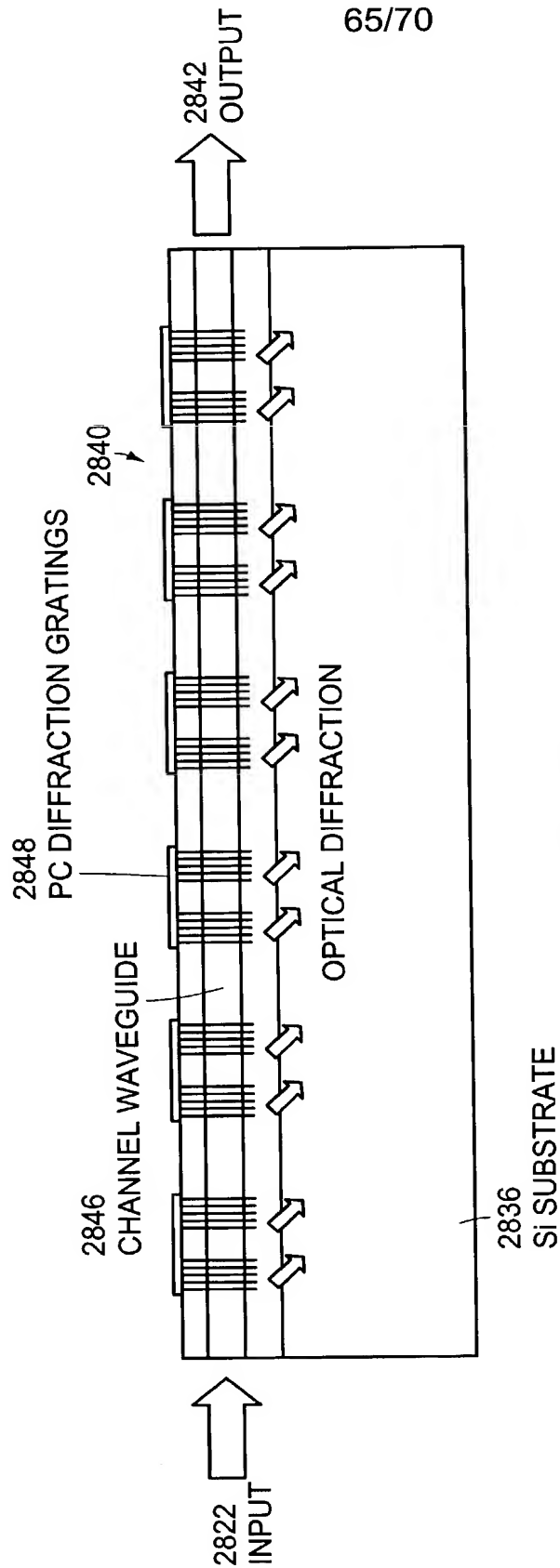


FIG. 56

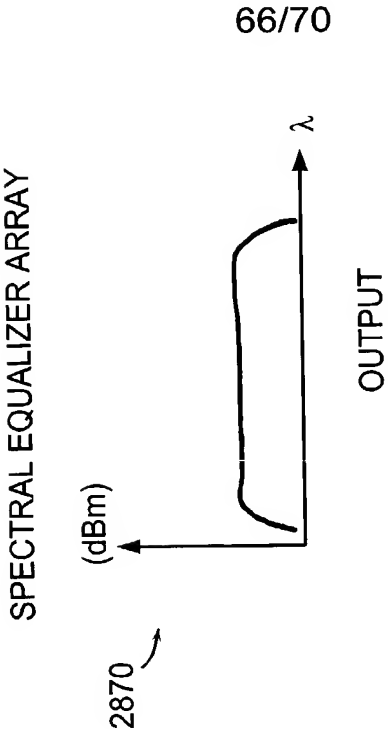


FIG. 57B

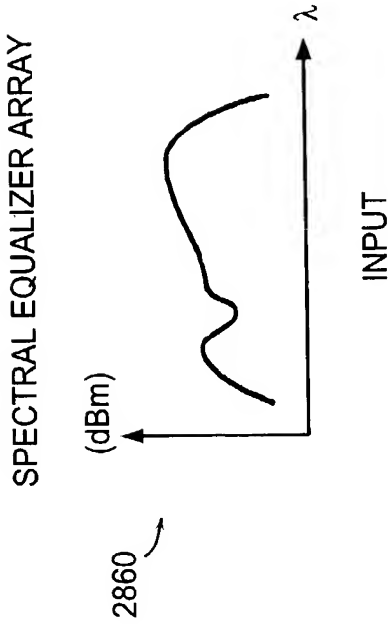


FIG. 57A

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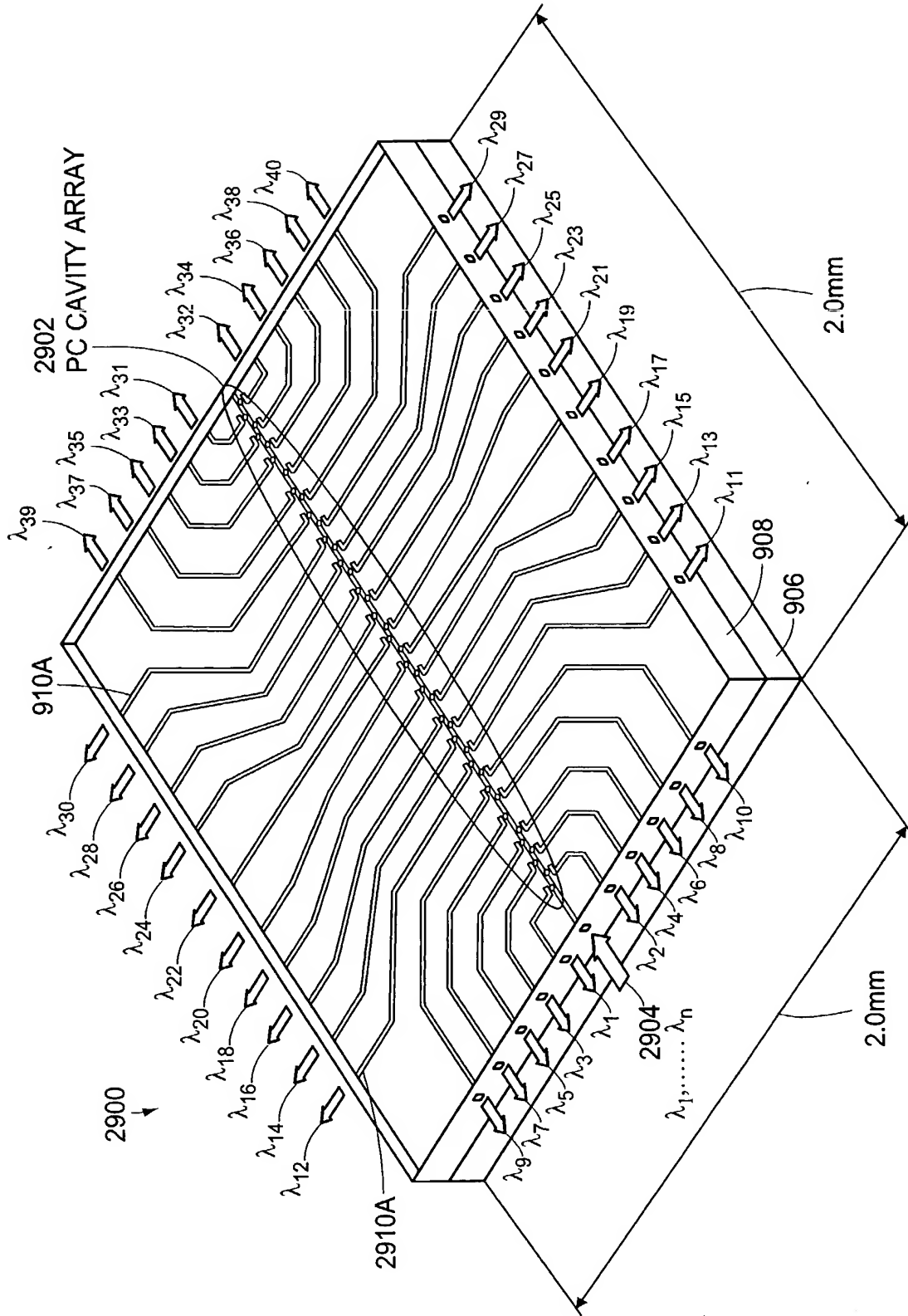


FIG. 58

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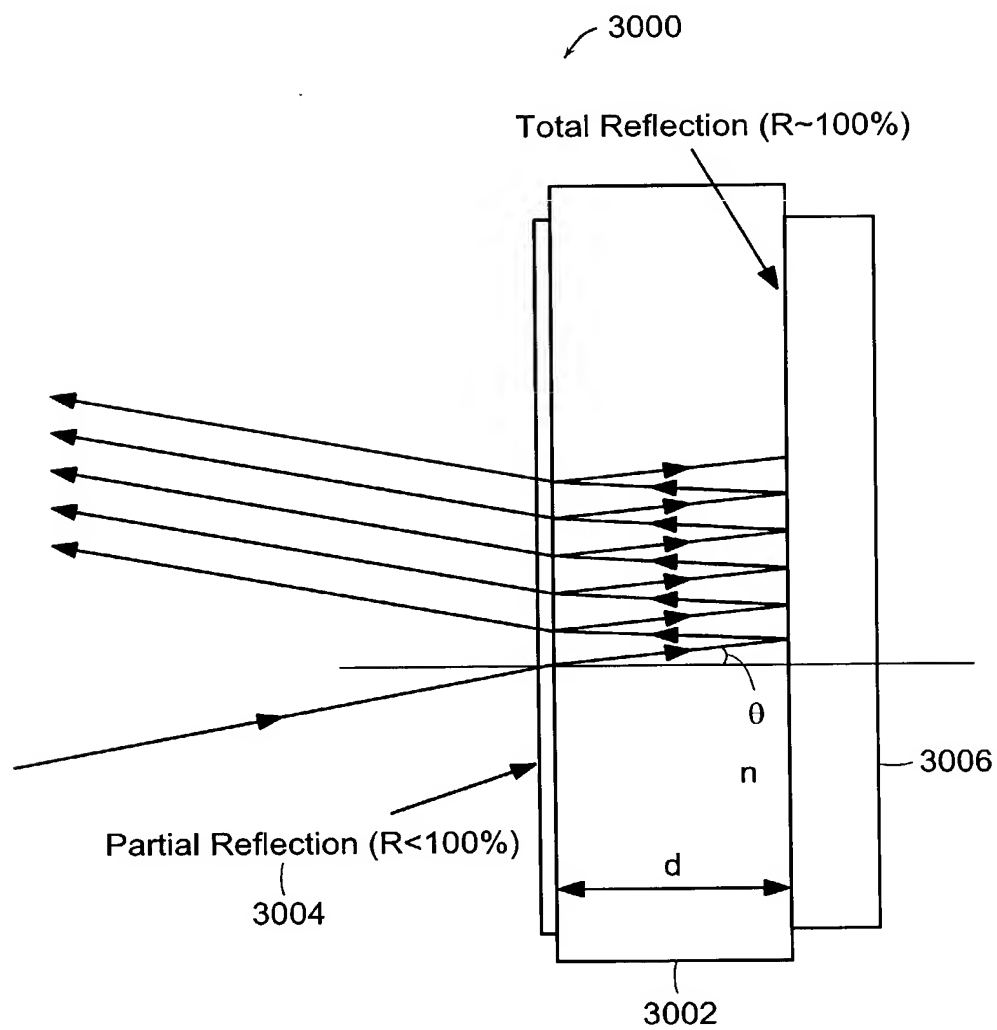


FIG. 59

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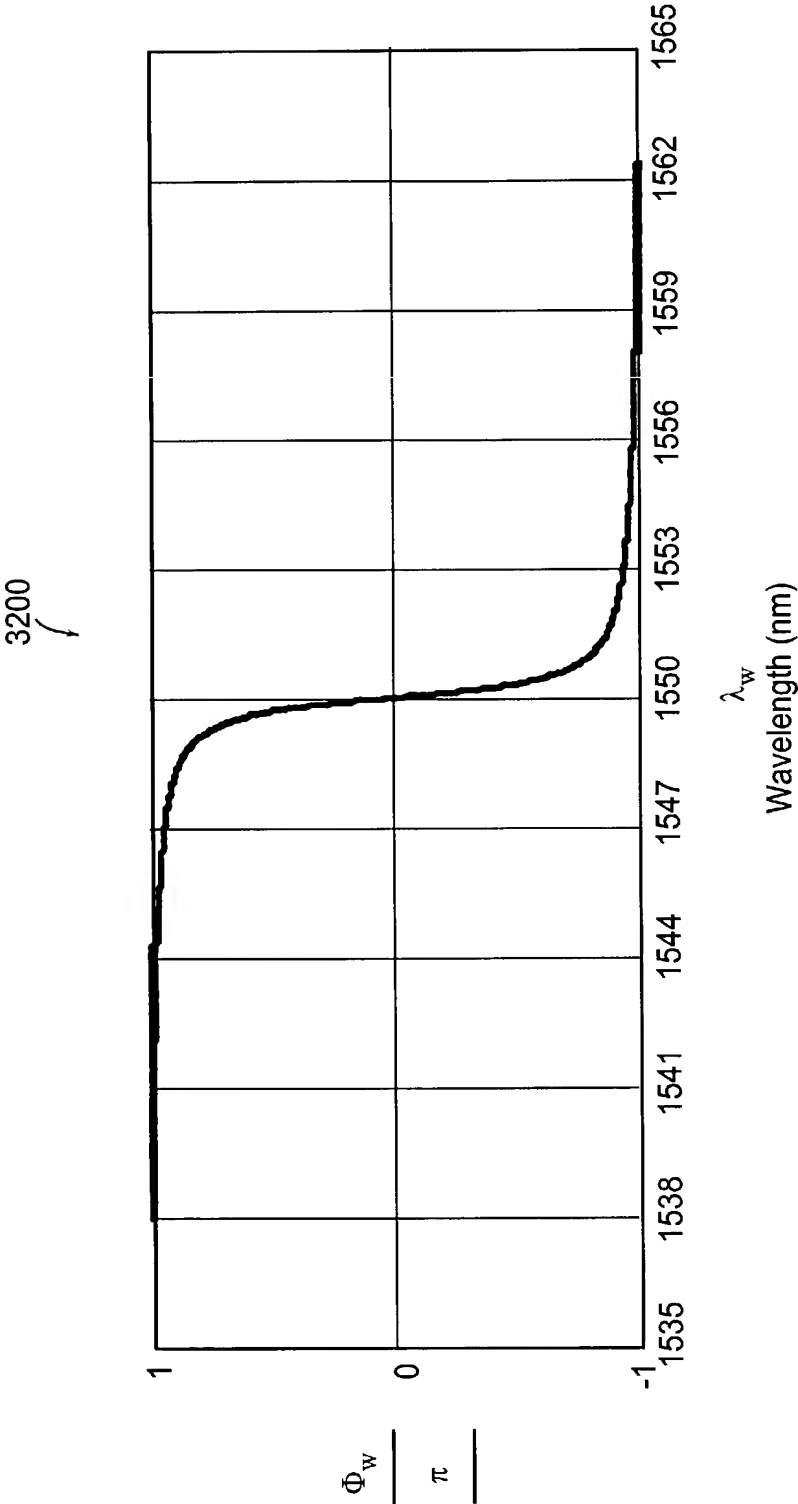


FIG. 60

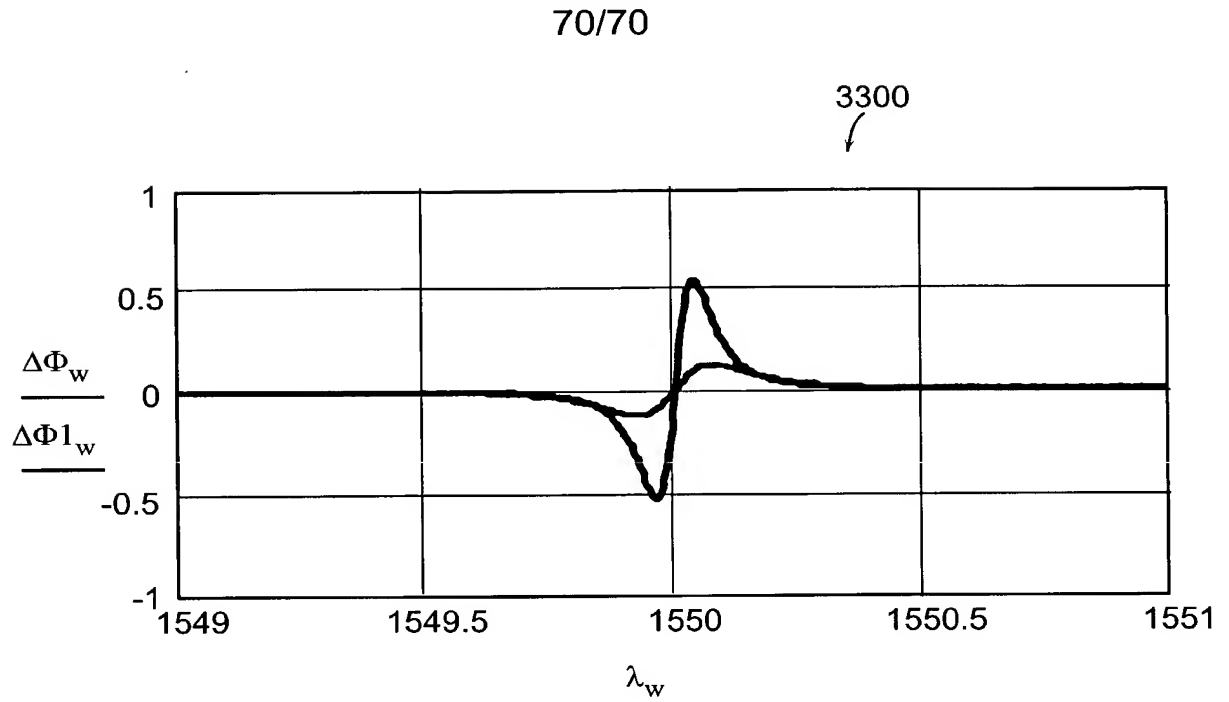


FIG. 61

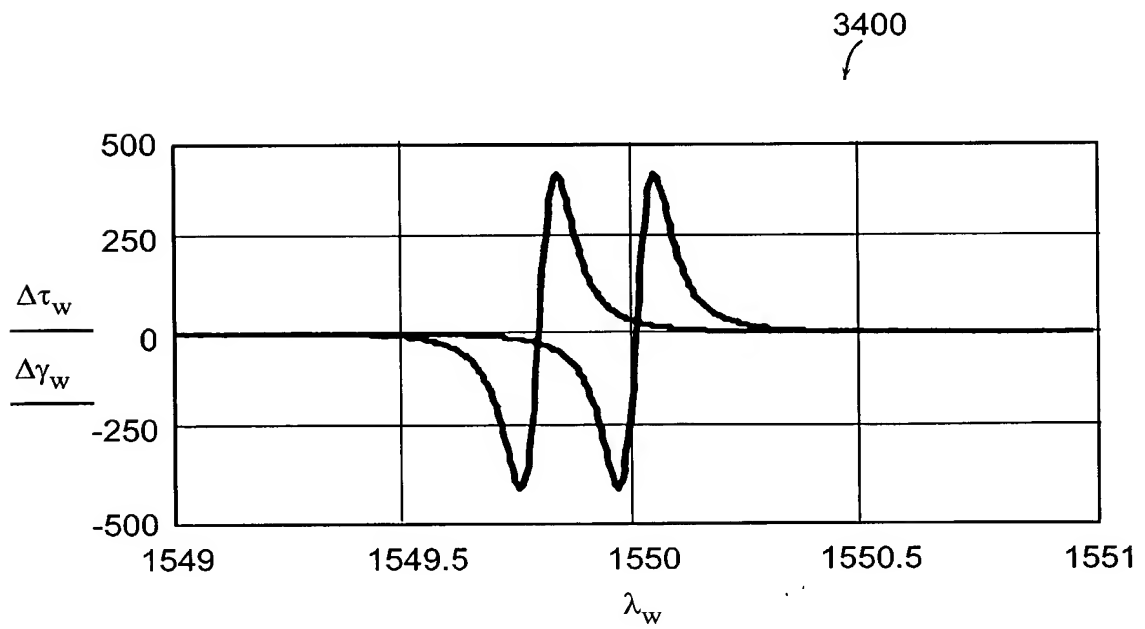


FIG. 62